Model (1) 20 Marks	
(A) Choose the correct answer:	
1 Lunar eclipse is formed in the	of the lunar month.
a) beginning	b) middle
c) end	d) after 5 days
2 The fluorescent lamp contains the inert	gas.
a) hydrogen	b) nitrogen
c) argon	d) helium
Which lever does not conserve effort?	· · ·
a) Wheelbarrow	b) Nutcracker
c) Manual broom	d) Bottle opener
4 The last row of cortex layer is called	layer.
a) cortex	b) endodermis
c) xylem	d) pith

(B) The exerted force of a balanced lever equals 50 Newton and the length of its arm is 2 cm if it is affected by a resistance with a value of 20 Newton, calculate the length of its arm of resistance.

2 (A) Complete the following sentences:

- 1 The nutcracker is a class lever, while the scissors are class lever.
- Impure water cannot be used to put out the fire resulting from ______.
- 4 is the external layer that the root hair extends from it.

(B) What happens when ...?

- Connecting more than one lamp in an electric circuit in parallel.

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(B) Compare:

Point of comparison	2 nd class levers	3 rd class levers
Definition		
Examples		

Model (2) 20 Marks (A) Complete the following sentences: (a) Tweezers are considered a class lever but the wheelbarrow is a (class lever. (a) There are two ways for connecting lamps, connecting in and (a) gas is produced during the photosynthesis process. (b) Electric shock occurs as a result of the passing of

(B) Give a reason for the following:

- We should not look at the Sun with the naked eye during the solar eclipse.

(A) Put (✓) or (X):

1 Lunar eclipse causes harms to the eyes.	()
2 We must not play with electric connections.	()
³ Plant loses water in the form of water vapor in the photosynthesis process.	()
4 The human body is a conductor of electricity.	()

(B) What happens when ...?

- There are no stomata on the lower surface of the plants' leaves.

(A) Write the scientific term for each of the following:	
• Vessels through which water passes from the root to the stem and leaves.	()
2 One of the dangers of electricity that causes damage of body tissues.	()
It is the force exerted by a person to equilibrate the resistance.	()
4 The distance between fulcrum and resistance.	()

- (B) A first lever is affected by 10 Newton force with an arm of length 10 cm and a resistance of 20 Newton.
 - a. Calculate the length of arm of resistance.

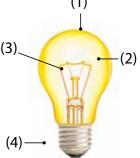
b. Does the lever save effort? Why?

(A) Correct the underlined words:

1 In the beginning of the total lunar eclipse, the color of the Moon tends to be <u>black</u>.

2 There are <u>three</u> connecting points at each end of the light bulb ends.
 3 The glass bulb of the electric lamp contains <u>hydrogen</u> gas.
 4 <u>Oxygen</u> gas is produced during the respiration process in the plant.
 (-------)
 (B) Label the opposite figure:





Model (3) ²⁰ _{Marks}	
(A) Choose the correct answer:	
Which of the following gases is found in the	fluorescent lamp but not in the light bulb?
a) Argon gas.	b) Neon gas.
c) Mercury vapor.	d) oxygen gas.
2is/are considered first class l	ever.
a) Wheelbarrow	b) Pliers
c) Manual broom	d) coal holder
3is one of the functions of lev	vers.
a) Increasing force	b) Decreasing distance
c) Decreasing speed	d) all the previous answers
4 Each stoma is surrounded by two	cells.
a) animal	b) guard
c) absorbing	d) leaf

(B) Write the function or importance of:

- The glass bulb of the light bulb.

(A) Put (✓) or (X):

1 Fires resulted from electricity are extinguished by water.	()
2 The root extends and penetrates the soil to absorb water.	()
3 The soda water opener is a second-class lever.	()
(4) When the whole Moon enters the semi-shaded area of Earth, the Moon seems without		
eclipse.	()

(B) What happens when …?

- A part of your body touches an electric source directly.

3 (A) Write the scientific term:

Small holes that are widely spread on the lower surface of the leaf.	()
- sindi holes that are mately spicad on the lower surface of the lean	\ /

- 2 It occurs when part of the Moon enters the Earth's umbra.
- **3** A rigid bar that rotates around a fixed point and is affected by a force and a resistance.

4 vital process carried out by the plant to produce its own food.

(B) What is meant by ...?

- Annular solar eclipse:

(A) Complete the following sentences:

- and are examples of materials that are electric conductors.

3 control the closing and opening of the stomata.

(B) Arrange the layers of the root from inside to outside:

(Xylem – Cortex – Pith – Endodermis – Epidermis)

6

(-----

(.....)

(-----)

.....)

Model (4) ²⁰ _{Marks}	
(A) Choose the correct answer:	
The concentration of the salt solution	n inside the vacuole is the concentration
of the salt solution inside the soil.	
a) less than	b) more than
c) equal to	d) no correct answer
2 Water transfers from the root to the s	tem through the layer.
a) cortex	b) epidermis
c) endodermis	d) xylem
3 main source of	of light on Earth.
a) Candle	b) Fire
c) Lamp	d) Sun
The function of a lever is to increase	······································
a) force	b) distance
c) speed	d) all the previous answers

(B) What happens when ...?

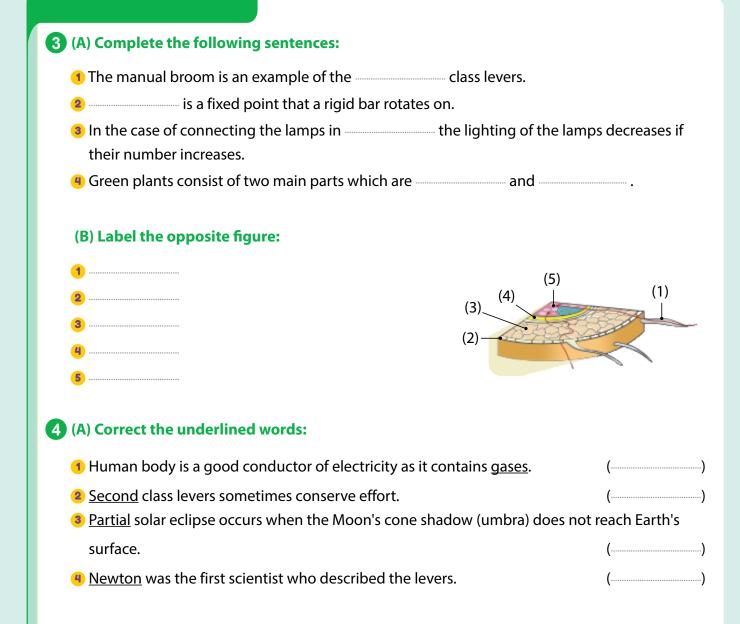
- There is no battery in the electric circuit.

(A) Choose from column (B) which suits in column (A):

(A)	(B)
1. Most electric machines produce	a. the partial lunar eclipse occurs.
2. Coal holder is a lever used to	b. heat.
3. Electric lamp is prevented from air to burn its filament by	c. avoid dangers.
4. When a part of the Moon enters the shadow area of the Earth,	d. the glass bulb.

(B) Give a reason for the following:

- Light is important for the plant.



(B) Compare:

Point of comparison	Solar eclipse	Lunar eclipse
Reason		
Time of occurrence		

Model (5) 20 Marks		
(A) Choose the correct answer:		
1 Force arm is sometimes equal to resist	ance arm in the class	levers.
a) first	b) second	
c)third	d) Both (b) and (c)	
2 The duration of the lunar eclipse is	that of the solar eclipse.	
a) longer than	b) shorter than	
c) equal to	d) no correct answer	
8 Root hair absorbs most water by	······································	
a) imbibition	b) osmosis	
c) selective permeability	d) no correct answer	
effort arm and resistance arm are mea	sured in or	•
a) m, cm	b) kg, gram	
c) ton, kg	d) L, ml	
(B) Give a reason for the following:		
- Lunar eclipse occurs in the middle of the	e lunar month. (Full Moon)	
 (A) Write the scientific term: The fixed point on which the lever rota 	ates.	(
2 The area that lies between the real sha	adow area and the lighted area.	(
3 Materials that don't allow the electric	current to pass through.	(
4 way of connecting the electric lamp	s in which all the lamps are turned	off when one o
them burns out.		(
 (B) What happens when? Concentration of salts in the soil is high the root hairs. 	er than the concentration of salts ir	the vacuoles c

3 (A) Complete the following sentences:

- 2 phenomenon always occurs when blocks the sunlight from reaching a part of the Earth.
- In the case of connecting the lamps in ______ the lighting of the lamps decreases if their number increases.

(B) Mention one function of:

- The points of connection in the fluorescent lamp.

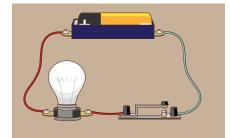
4 (A) Choose from column (B) which suits in column (A):

(A)	(B)	
1. First class levers	a. are levers that always conserve the effort.	
2. Second class levers	b. are levers that do not conserve the effort.	
3. Third class levers	c. are levers that sometimes conserve the effort.	
4. The fulcrum	d. is a fixed point that a rigid bar sits on.	
1	2	

(B) Look at the following figure, then answer the following questions:

a) The opposite circuit is a circuit.

b) opens and closes the electric circuit.



Model (1) Answers 20 Marks	
(A) Choose the correct answer:	
 Lunar eclipse is formed in the a) beginning c) end 	 of the lunar month. b) middle d) after 5 days
 2 The fluorescent lamp contains the inert a) hydrogen c) argon 3 Which lever does not conserve effort? 	b) nitrogen d) helium
a) Wheelbarrow c) <mark>Manual broom</mark>	b) Nutcracker d) Bottle opener
 He last row of cortex layer is called a) cortex c) xylem 	b) <mark>endodermis</mark> d) pith
(B) The exerted force of a balanced lever equa	als 50 Newton and the leng

(B) The exerted force of a balanced lever equals 50 Newton and the length of its arm is 2 cm if it is affected by a resistance with a value of 20 Newton, calculate the length of its arm of resistance. (Write the law)

Solution

Force × its arm = Resistance × its arm

 $50 \times 2 = 20 \times \dots = 50 \times 2 = 5 \text{ cm}$

$$\frac{30 \times 2}{20} = 5 \text{ cm}$$

(A) Complete the following sentences:

1 The nutcracker is a <u>second</u> class lever, while the scissors are <u>first</u> class lever.

2 The fluorescent lamps contain inert argon gas and a little amount of mercury vapor.

Impure water cannot be used to put out the fire resulting from ------electricity. ------

4 Epidermis E

(B) What happens when ...?

- Connecting more than one lamp in an electric circuit in parallel.

The light intensity of the bulbs remains as it is.

3 (A	\) Write the scientific term for	r each of the following:		
(A tool used to convert the ele	ectric energy into light energy.		(Electric lamp)
(Fires that occur as a result of	the increase in the temperature of	electric wires.	(Electric fires)
(An astronomical phenomenc	on that occurs when the Earth, Sun	and Moon are	on
	one straight line and the Mo	on in the middle.		(Solar eclipse)
Ľ	The losing of water in the sha	ape of water vapor from plant leave	es.	(Transpiration)
(B) Give a reason for the follow	ving:		
-	Crowbar is a first-class lever.			
••••	Because the fulcrum exists	between the effort force and the re	esistance force.	
4 (A	A) Correct the underlined wo	rds:		
(Copper and iron are <u>electric i</u>	nsulators.	(elect	ric conductors)
(To connect lamps in <u>parallel</u> ,	they are connected one after the c	other.	(series)
3	In the <u>first</u> class levers the res	istance force is between fulcrum a	nd effort force	. (second)
Ľ	Dumbra is a <u>semi-dark</u> area wł	nere the total solar eclipse occurs.		(dark)
(B) Compare:			
	Point of comparison	2 nd class levers	3 rd class lev	ers
	Definition	They are levers where the resistance force lies between the fulcrum and the effort force.	They are levers effort force lies the fulcrum ar	

Bottle opener, wheelbarrow and

nutcracker.

Examples

2)

force.

manual broom.

Ice holder, fishing hook and

Model (2) Answers ²⁰

(A) Complete the following sentences:

1 Tweezers are considered a <u>third</u> class lever but the wheelbarrow is a <u>second</u>

class lever.

2 There are two ways for connecting lamps, connecting in <u>series</u> and <u>parallel</u>.

3 Carbon dioxide gas is produced during the photosynthesis process.

Electric shock occurs as a result of the passing of <u>electric current</u> through the human body.

(B) Give a reason for the following:

- We should not look at the Sun with the naked eye during the solar eclipse.

Because the outer solar corona keeps on emitting harmful rays (UV-IR) which cause blindness for few minutes.

(A) Put (✓) or (X):

1 Lunar eclipse causes harms to the eyes.	(🗙)
2 We must not play with electric connections.	(🗸)
³ Plant loses water in the form of water vapor in the photosynthesis process.	(🗡)
(4) The human body is a conductor of electricity.	(⁄)
(B) What happens when?	

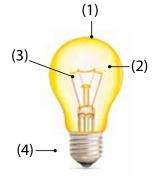
- There are no stomata on the lower surface of the plants' leaves.

Plant won't be able to do the transpiration process.

(A) Write the scientific term for each of the following: **1** Vessels through which water passes from the root to the stem and leaves. (Xylem) **2** One of the dangers of electricity that causes damage of body tissues. (Electric shock) 3 It is the force exerted by a person to equilibrate the resistance. (Effort force) The distance between fulcrum and resistance. (Resistance arm) (B) A first lever is affected by 10 Newton force with an arm of length 10 cm and a resistance of 20 Newton. a. Calculate the length of arm of resistance. Solution Force \times its arm = Resistance \times its arm 10 × 10 = 20 × ----- = $\frac{10 \times 10}{20} = 5 \text{ cm}$ b. Does the lever save effort? Why? This lever saves effort because the effort force is smaller than the resistance force. (A) Correct the underlined words: 1 In the beginning of the total lunar eclipse, the color of the Moon tends to be <u>black</u>. (red) 2 There are <u>three</u> connecting points at each end of the light bulb ends. (two) ³ The glass bulb of the electric lamp contains hydrogen gas. (argon) (Carbon dioxide) <u>4</u> Oxygen gas is produced during the respiration process in the plant. (B) Label the opposite figure:

1 ------glass bulb ------

- 2 ······Argon gas·······
- 3 ----- Tungsten filament-----
- 4 The base of the lamp



(A) Choose the correct answer:		
 Which of the following gases is foun 	d in the fluorescent lamp but not in the	e liaht bulb?
a) Argon gas.	b) Neon gas.	
c) Mercury vapor.	d) oxygen gas.	
2is/are considered fir	st class lever.	
a) Wheelbarrow	b) Pliers	
c) Manual broom	d) coal holder	
3is one of the function	ns of levers.	
a) Increasing force	b) Decreasing distance	
c) Decreasing speed	d) all the previous answers	
4 Each stoma is surrounded by two	cells.	
a) animal	b) guard	
c) absorbing	d) leaf	
(B) Write the function or importance	of:	
- The glass bulb of the light bulb.		
It prevents the atmospheric air	from reaching the filament to increase	its lifetime
and p	rotect it from burning.	
(A) Put (✓) or (X):		
1 Fires resulted from electricity are ext	inguished by water.	
² The root extends and penetrates the	soil to absorb water.	
3 The soda water opener is a second-c	lass lever.	
When the whole Moon enters the se	mi-shaded area of Earth, the Moon see	ms without
eclipse.		
(B) What happens when?		
- A part of your body touches an elect	ric source directly.	
	may damage the body tissues.	

3 (A) Write the scientific term:

- **1** Small holes that are widely spread on the lower surface of the leaf. (Stomata)
- 2 It occurs when part of the Moon enters the Earth's umbra. (Partial lunar eclipse)
- A rigid bar that rotates around a fixed point and is affected by a force and a resistance. (Lever)
- **4** A vital process carried out by the plant to produce its own food. (Photosynthesis process)

(B) What is meant by ...?

- Annular solar eclipse:

It is the type of solar eclipse in which the Sun appears as a lighted ring.

4 (A) Complete the following sentences:

- **1**Copper..... andaluminum..... are examples of materials that are electric conductors.
- 2 The filament of the light bulb is made of <u>tungsten</u> and that is because it has high <u>melting point</u>.
- ³Guard cells..... control the closing and opening of the stomata.
- 4 The lunar eclipse occurs when the Earth lies between the Sun and the Moon.

(B) Arrange the layers of the root from inside to outside:

(Xylem – Cortex – Pith – Endodermis – Epidermis)

(Epidermis – Cortex – Endodermis – Xylem – Pith)

Model (4) Answers 20		
(A) Choose the correct answer:		
1 The concentration of the salt	solution inside the vacuole is	the concentration
of the salt solution inside the	soil.	
a) less than	b) more than	
c) equal to	d) no correct answer	
2 Water transfers from the root	to the stem through the	layer.
a) cortex	b) epidermis	
c) endodermis	d) xylem	
3 is the main s	source of light on Earth.	
a) Candle	b) Fire	
c) Lamp	d) <mark>Sun</mark>	
4 The function of a lever is to in	crease .	
a) force	b) distance	
c) speed	d) all the previous answ	wers

(B) What happens when ...?

- There is no battery in the electric circuit.

There will be no electric source and the lamp will not light up.

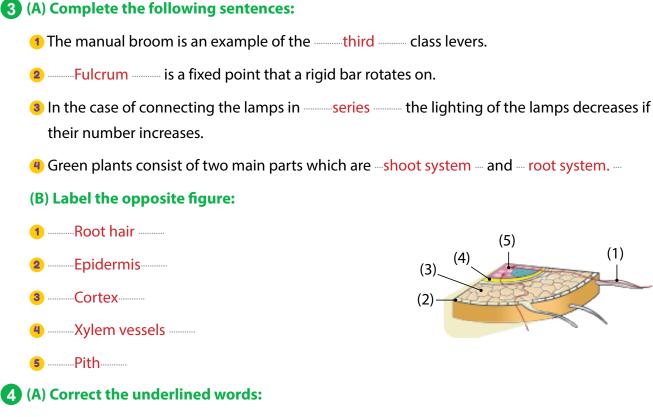
(A) Choose from column (B) which suits in column (A):

(A)	(B)
1. Most electric machines produce	a. the partial lunar eclipse occurs.
2. Coal holder is a lever used to	b. heat.
3. Electric lamp is prevented from air to burn its filament by	c. avoid dangers.
4. When a part of the Moon enters the shadow area of the Earth,	d. the glass bulb.
1 b 2 3 d	4a

(B) Give a reason for the following:

- Light is important for the plant.

To make its food during photosynthesis process.



- 1 Human body is a good conductor of electricity as it contains gases. (water)
- <u>2 Second</u> class levers sometimes conserve effort.
- <u>Partial</u> solar eclipse occurs when the Moon's cone shadow (umbra) does not reach Earth's surface. (Annular)
- 4 <u>Newton</u> was the first scientist who described the levers.

(B) Compare:

Point of comparison	Solar eclipse	Lunar eclipse
Reason	It occurs when the Moon lies between the Earth and the Sun on one straight line.	It occurs when the Earth lies between the Sun and the Moon on one straight line.
Time of occurrence	Daytime (in the morning).	Nighttime The Sun is behind the horizon.

8

(Archimedes)

(first)

Model (5) Answers 20 Marks		
(A) Choose the correct answer:		
1 Force arm is sometimes equal to resistance	arm in the	ass levers.
a) first	b) second	
c)third	d) Both (b) and (c)	
2 The duration of the lunar eclipse is	that of the solar eclips	se.
a) longer than	b) shorter than	
c) equal to	d) no correct answer	
8 Root hair absorbs most water by	······································	
a) imbibition	b) osmosis	
c) selective permeability	d) no correct answer	
4 Effort arm and resistance arm are measured		
a) <mark>m, cm</mark>	b) kg, gram	
c) ton, kg	d) L, ml	
(B) Give a reason for the following:		
- Lunar eclipse occurs in the middle of the luna	ar month. (Full Moon)	
- Because in the middle of the lunar month th	e Earth lies between the Su	n and the Moon
(A) Write the scientific term:		
1 The fixed point on which the lever rotates.		(Fulcrum)
2 The area that lies between the real shadow	area and the lighted area.	(Penumbra)
3 Materials that don't allow the electric curre	nt to pass through.	(Electric insulators)
A way of connecting the electric lamps in w	which all the lamps are turne	ed off when one of
them burns out.		(Series connection)
(B) What happens when?		
- Concentration of salts in the soil is higher that	an the concentration of salt	s in the vacuoles of
the root hairs.		
www. Water will transfer from the root to the so	il and the plant will wilt and	die

3 (A) Complete the following sentences:

- **1** Duration of lunar eclipse extends for more than **two** hour(s).
- Solar eclipse phenomenon always occurs when the Moon blocks the sunlight from reaching a part of the Earth.
- In the case of connecting the lamps in <u>series</u> the lighting of the lamps decreases if their number increases.
- 4 Root hairs absorb salt from the soil by the property of <u>selective property</u>.

(B) Mention one function of:

- The points of connection in the fluorescent lamp.

They connect the fluorescent lamp to electricity.

(A) Choose from column (B) which suits in column (A):

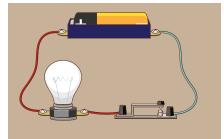
(B)	
a. are levers that always conserve the effort.	
b. are levers that do not conserve the effort.	
c. are levers that sometimes conserve the effort.	
d. is a fixed point that a rigid bar sits on.	

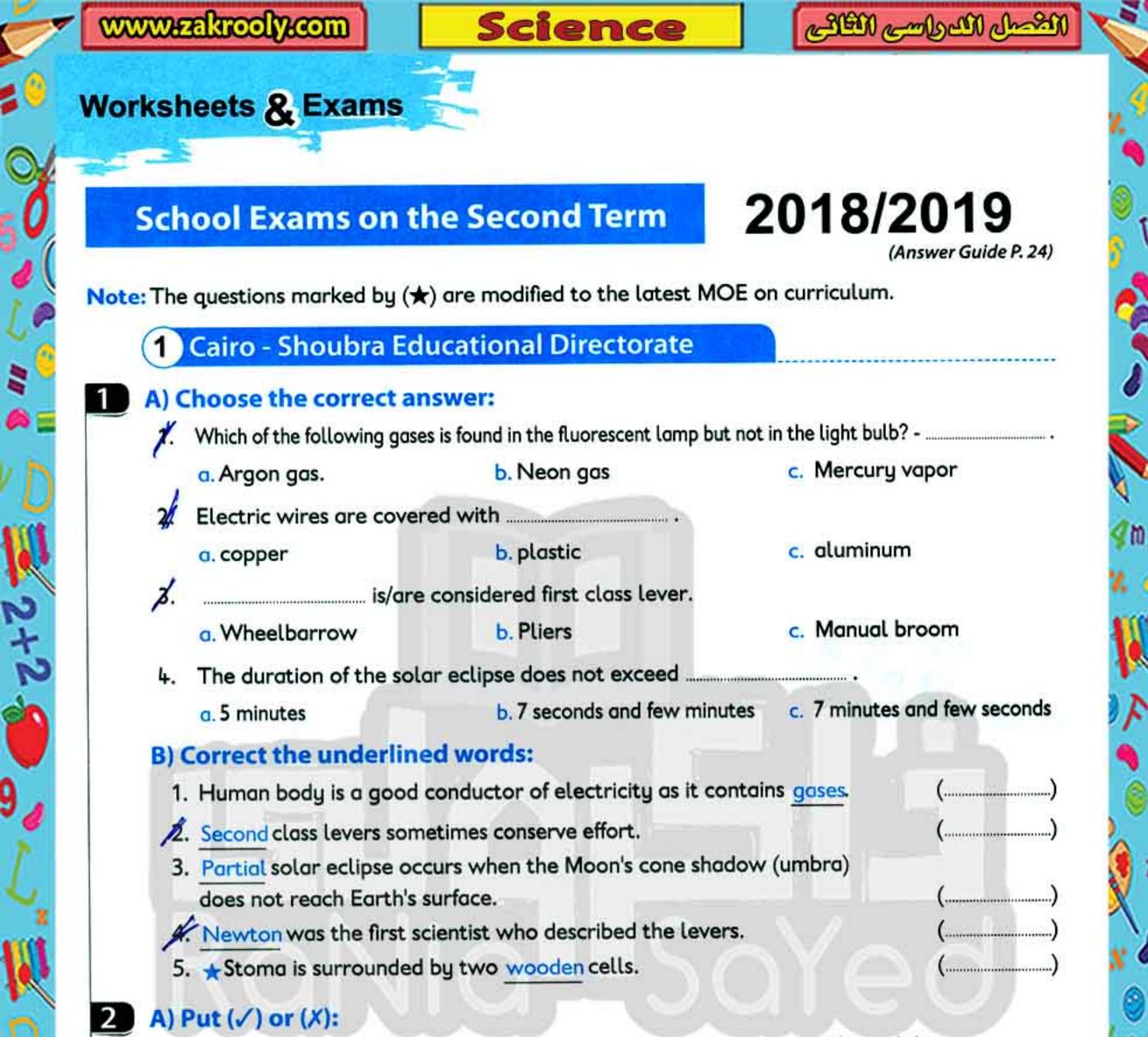
1. ____ 2. ___a ___ 3. ___b ___ 4. ___d

(B) Look at the following figure, then answer the following questions:

a) The opposite circuit is a **closed** circuit.

b) ——— Switch ——— opens and closes the electric circuit.





- 1. In the start of the total lunar eclipse, the color of Moon tends to be red due to
- the red rays that can be absorbed form above the atmosphere of Earth.
 - 2. The phenomenon of solar and lunar eclipse attracts people's attention because it affects life on Earth.(
 - 3. When the whole Moon enters the semi-shaded area of Earth, the Moon seems without eclipse. (
 - 4. Fire result from electricity is extinguished by sand.
 - 5. * The root extends and penetrates the soil to absorb water.

B) Complete the following table:

فاعهرولي

P.O.C	Solar eclipse	Lunar eclipse
Reason		
Time of occurrence		

هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى

GEM / Science / Primary 6







10 >

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.....)

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الصف السادس الايتدائي



A third class lever with a force arm of length 2 cm, and the length of the arm of the resistance is 6 cm. If the resistance has a value of 20 Newton, calculate the value of the affecting force and mention if this lever conserves effort or not. And why?

3 A) Complete the following sentences:

- 1. Filament of light bulb is made of and that is because its is high.
- eclipse occurs when the ______ is located between the Sun and Earth.

B) Mention one function of:

- X. Tweezers:
- 2. The points of connection in the fluorescent lamp:
- 3. Stomata:

C) In the following figure, answer the following questions:

- a. The electric circuit is _____ circuit.
- b. What is the way of connection if three lamps are connected one after the other in one route in this circuit?

4 A) Write the scientific term in front of the following:

- A. Levers that have the resistance between the fulcrum and effort force.
- 2. One of the dangers of electricity that causes damage of body tissues.
- 3. It is the force exerted by a person to equilibrate the resistance.
- 4. Type of solar eclipse in which we can't see the Sun completely.

B) Give a reason for each of the following:

- We shouldn't look directly at the Sun with the naked eye during the solar eclipse.
 - 2. Plugging more than one machine to one socket causes electric fire.
 - The concentration of salt solution inside the vacuale is greater than the concentration of salt solution in the soil.

هذا العمل خاص بموقع ذاكروني التعليمي ولا يسمح بتداونه على مواقع أخرى

C) What happens when ...?

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रंगवाक्षीय

- 1. You insert a metallic bar in an electric socket.
- 2. The Moon lies in a higher orbit from the Earth.

Gem பாக (கிறியில்கில





المحمل الكراسي الكلي

(.....)

(_____)

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الصف السادس الايتدائي

Worksheets & Exams

Cairo - Educational Zone - Official Language Schools

A) Complete the following sentences: 1

- 2. The type of levers that always do not conserve effort is, while the type of levers that always conserve effort is
- The filament of the light bulb is made of ______ and that is because it has high ______.
- 5. ★ ______ phenomenon always occurs when ______ blocks the sunlight from reaching a part of the Earth.

B) Give a reason for each of the following:

- 1. There are two pieces of lead in the light bulb.
- 2. Plugging more than one machine to one socket causes electric fires.
- The presence of stomata on the lower surface of the plant leaves.

A) Write the scientific term in front of the following: 2

A rigid bar that rotates around a fixed point and is affected by a force and a resistance.

2. Levers that sometimes conserve the effort.

Gem ulic

One of the dangers of electricity is causing the damage of tissues of the body.



4. It occurs to the Moon when it completely enters the umbra area of the Earth.

- 5. A way of connecting light bulbs in branching routes.
- 6. Levers in which the resistance force lies between the effort force and the fulcrum.
- A 2nd class lever of force 100 Newton, its force arm of length is 25 cm and its resistance is 500 Newton; calculate the resistance arm.

هذا العمل خاص بموقع ذاكروني التعليمي ولا يسمح بتداونه على مواقع أخ

Science

المحمل الكراسي الكائي

10 >

3 A) Choose the correct answer:

- is a fixed point that a rigid bar sits on. b. Fulcrum a. Force c. Resistance The fluorescent lamp contains ______gas. a. hydrogen b. nitrogen c. argon is one of the functions of levers. a. Increasing force b. Decreasing distance c. Decreasing speed is an example of materials that are electric conductors. a. Wood b. Plastic c. Iron 5. ★ Each stoma is surrounded by two _____ cells.
 - a. animal b. guard c. absorbing d. leaf

B) Write the function or importance of:

- 1. The inert gas in the electric lamp.
- 2. The glass bulb of the light bulb.
- 3. ★ The root system of the plant.

4 A) Put (✓) or (X):

GEM / Science / Primary 6

فراكهروليه

2+

1. Fires resulted from electricity are extinguished by water.

- 2. The lunar eclipse occurs at the end of the lunar month.
- The soda water opener is a second class lever.
 - 4. We look at the Sun directly through the solar eclipse.
 - -5. The distance between resistance and fulcrum is called resistance arm.

6. The human body is a conductor of electricity.

B) What happens when ...?

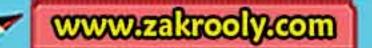
- Connecting more than one lamp in an electric circuit in parallel.
- 2. The electric lamp contains the atmospheric air.

Gem പ് ് ്ലിലിക്ക്ക് പ്

3. ★ The Moon completely enters the semi-shaded area of the Earth.

هذا العمل خاص بموقع ذاكروني التعليمي ولا يسمح بتداونه على مواقع أخرى

الصف السادس الايتدائي



Science

Worksheets & Exams

3 Cairo - El Sherouq Zone - Mena Language School

A) Write the scientific terms:

- Levers that have the force between the resistance and the fixed point.
- 2. Means of converting the electric energy to light energy.
- One of the dangers of the electricity is that it destroys the tissues of the body. (_____)
- 4. It occurs when the Moon comes between the Earth and the Sun on one straight line.
- 5. 🖈 A vital process carried out by the plant to produce its own food.
- (.....)

(.....)

(.....)

(.....)

المحصل الكراسي الثكائي

B) The force affecting a second class lever equals 200 Newton and the length of its arm is 50 cm and a resistance with a value of 1000 Newton, calculate the value of the arm of the resistance.

2 A) Complete the following sentences:

- 1. _____and _____are examples of the first class levers.
- 2. The law of levers states that
- and ______are examples of materials that are electric conductors.



9

B) Compare between the solar eclipse and the lunar eclipse:

Solar eclipse	Lunar eclipse
	GEM / Science / Primar
ى ولا يسمح بتد اوله على مواقع أخرى	مل خاص بموقع ذاكرولي التعليم

3 A) Give a reason for:

- 1. There are two pieces of lead in the light bulb.
- 2. Not placing flammable materials too close to the electric machines that generate heat.

Science

المحمل الكراسي الثالي

(_____)

B) Correct the underlined words:

- The electric lamp converts the electric energy to the kinetic energy.
- 2. There are three connecting points at each end of the light bulb ends.
- 3. The glass bulb of the electric lamp contains hydrogen gas.
- 1/ The electric lamps are connected in the house in series.
- Leaves extend in the soil and penetrate it to increase the surface area of absorption.

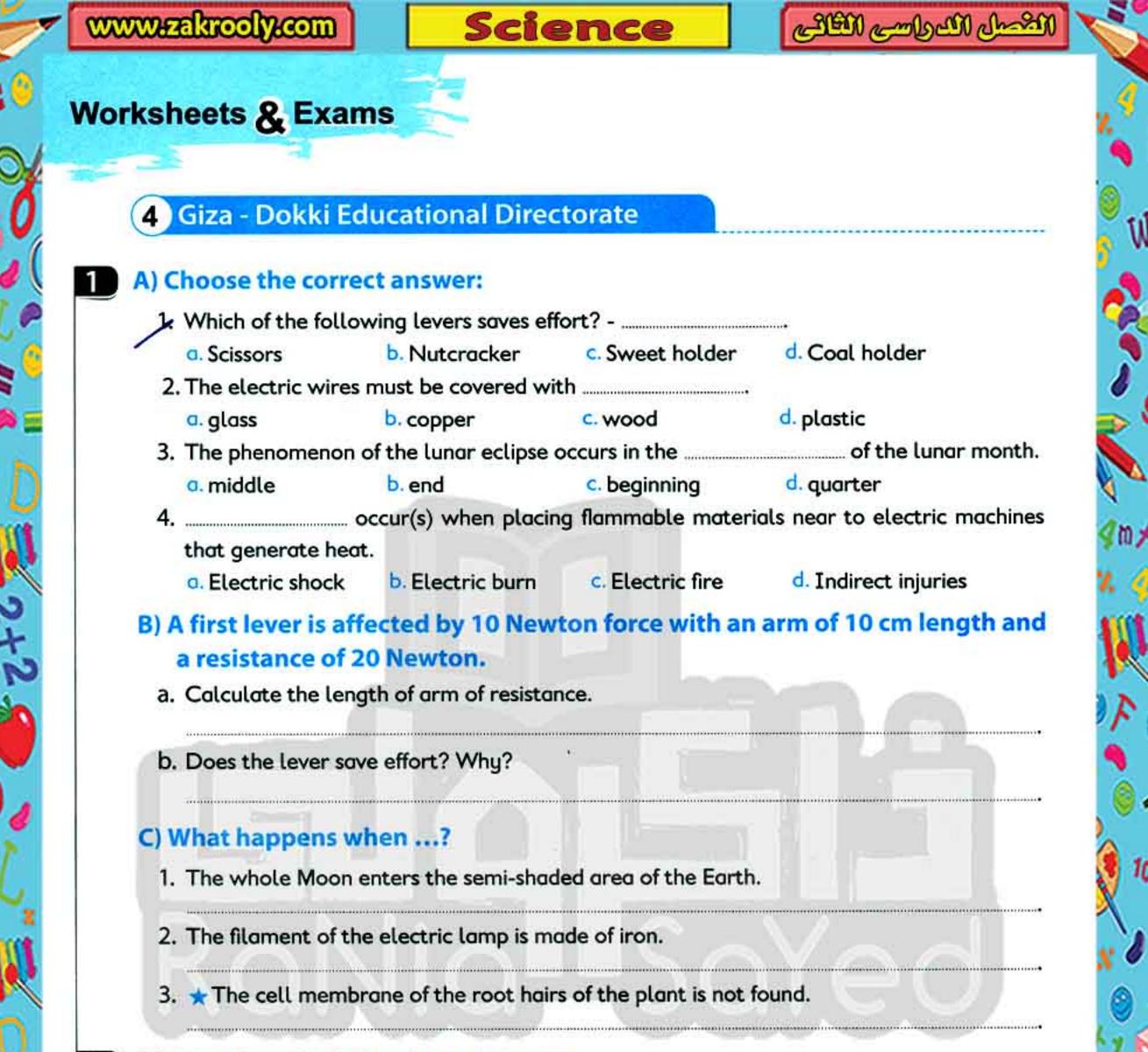
4 A) Put (✓) or (X):

- \mathcal{X} . The first class levers has the resistance between the force and the fulcrum.
- 2. More than one type of solar eclipse can be observed.

A. The crowbar is an example of the first class levers.
 4. Plant loses water in the form of water vapor in the photosynthesis process.
 B) What happens when ...?
 1. You make the filament of the light bulb from iron.

2. There is air inside the light bulb.





A) Complete the following sentences:

2

र्षाकृ कि

 The crowbar is considered as a ______ class lever, while the nutcracker is considered as a ______ class lever.

هذا العمل خاص بموقع ذاكروني التعليمي ولا يسمح بتداونه على مواقع أخرى

الصف السادس الابتدائي (مرك مك الكربي الكربي) مكتباب Gem

- 2. The light bulbs in the house are connected in
- 4. The solar eclipse occurs when the _____lies between Sun and _____

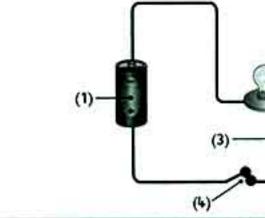
B) Write the labels of this figure:

.....

2.

3.

4.







Science

المحصل الكراسي الكائي

C) What is meant by ...?

- 1. Direct injuries:
- 2. Annular solar eclipse:

3 A) Give a reason for:

- 1. Water is not used to put out electric fires.
- 2. There must be a switch in the electric circuit.
- 3. We should not look at the Sun with the naked eye.
- 4. The force may be equal to the resistance in the first class levers.

B) Label the opposite figure:

1. 2. 3. 4. (4)

•

4 A) Write the scientific term for the following:

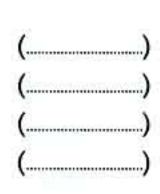
- 1. The fixed point on which the lever rotates.
- 2. The area that lies between the real shadow area and the lighted area.
- 3. Materials that don't allow the electric current to pass through.
- A way of connecting the electric lamps in which all the lamps are turned off when one of them burns out.



B) Correct the mistake in each of the following sentences:

- 1. Plugging more than one machine to one socket causes electric shock.
- 2. A fluorescent lamp contains the inert neon gas.
- 3. Special glasses are used to observe the lunar eclipse.
- 4. Electric wires are made of plastic.

C) Complete between the solar eclipse and the lunar eclipse:



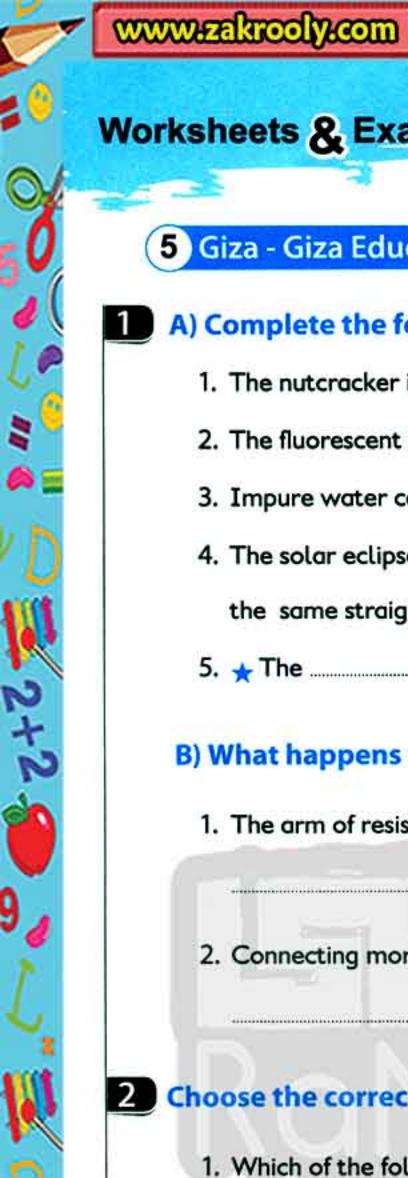
.....

(.....)

P.O.C	Solar eclipse	Lunar eclipse
Duration		
Harms		

GEM / Science / Primary 6





المحصل الكواسي الثالي Science Worksheets & Exams 5 Giza - Giza Educational Administration - Orman Language School

A) Complete the following sentences:

- 1. The nutcracker is a _____ class lever, while the scissors are _____ class lever.
- 3. Impure water cannot be used to put out the fire resulting from
- 4. The solar eclipse occurs when the comes between the Earth and the Sun on

the same straight line.

5. 🛧 The in plant is surrounded by two guard cells.

B) What happens when ...?

- 1. The arm of resistance is longer than the arm of force of a lever.
- 2. Connecting more than one lamp in an electric circuit in parallel.

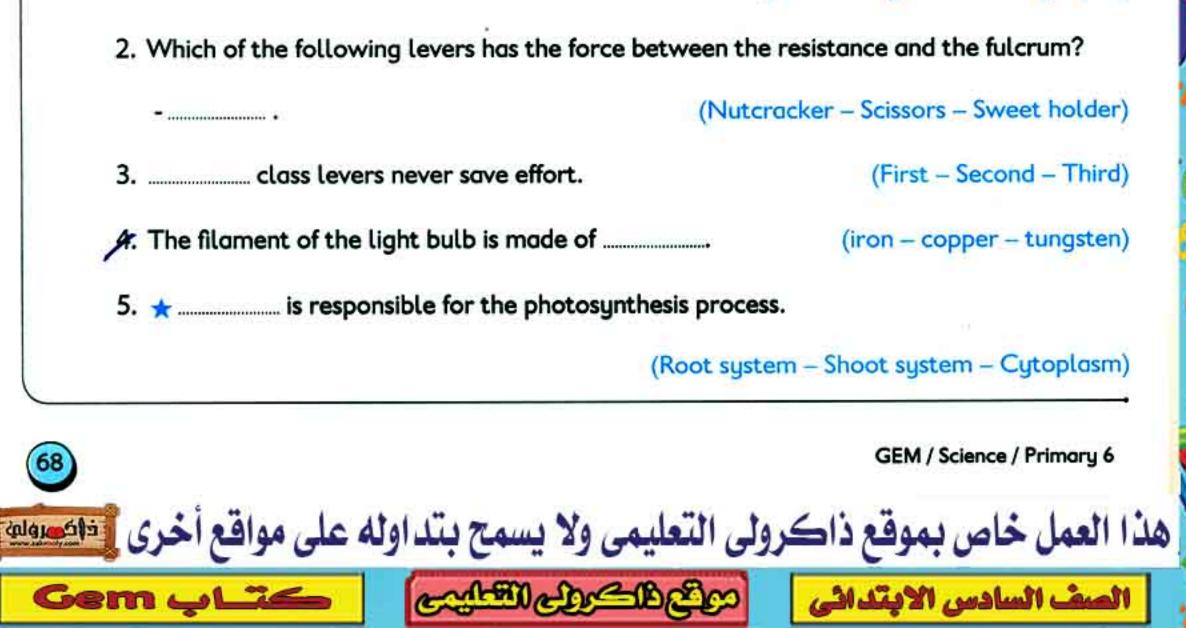
2 Choose the correct answer:

1. Which of the following gasses is found in the fluorescent lamp but not in the light bulb?



......

(Neon - Argon - Mercury vapor)





Science

المحصل الكراسي الكلي

(.....

(.....)

(.....)

(.....)

(-----)

(.....)

3 A) Write the scientific term:

- A tool used for converting the electric energy to light energy.
- 2. Fires that occur as a result of the increase in the temperature of the electric machines.
- 3. It occurs to the Moon when it completely enters the shadow area of the Earth.
- 4. The fixed point of a rigid bar.
- 5. ★ The outer layer of the root of the plant.
- B) The force arm length of a third class lever is 5 cm and the length of the arm of the resistance is 15 cm. If the resistance has a value of 300 Newton, calculate the value of the affecting force.

4 A) Correct the underlined words:

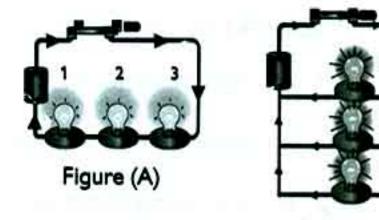
- 1. Second class levers always don't conserve effort.
- 2. Annular solar eclipse occurs in the shadow area of the Moon.
- 3. Although crowbar is a third class lever, it conserves effort.

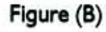


2+

B) Look at the opposite two figures (A & B), then answer in spaces below each one as required?

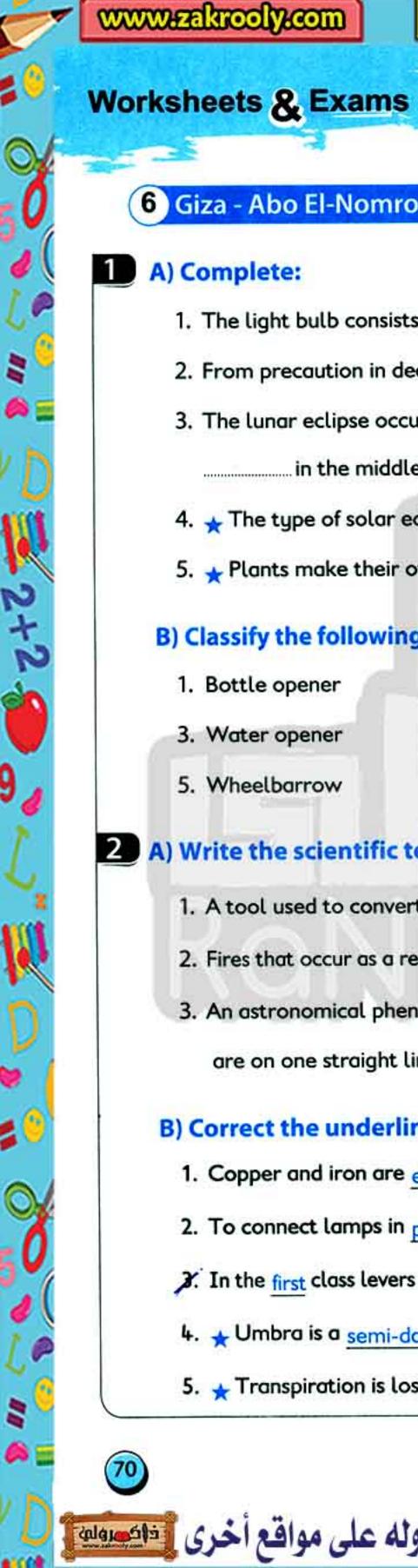
- What is the way of connection in each circuit?
- 2. What happens when the light bulb number (2) in each circuit burns out?





my





6 Giza - Abo El-Nomrous Educational Zone - Ahmos Language School

Science

المحصل الكواسي الثكائي

(.....

......

(.....

(.....)

......

A) Complete:

- The light bulb consists of filament, _____ and _____
- The lunar eclipse occurs when the Sun, Earth and ______ in one straight line and

in the middle.

- 5. 🛧 Plants make their own food during _____ process.

B) Classify the following machines according to the type of levers:

1. Bottle opener

2. Hockey bat

3. Water opener

- 4. Tweezers
- 5. Wheelbarrow
- 6. Nutcracker

2 A) Write the scientific term:

- A tool used to convert the electric energy into light energy.
- 3. An astronomical phenomenon that occurs when the Earth, Sun and Moon

are on one straight line and the Moon in middle.

B) Correct the underlined words:

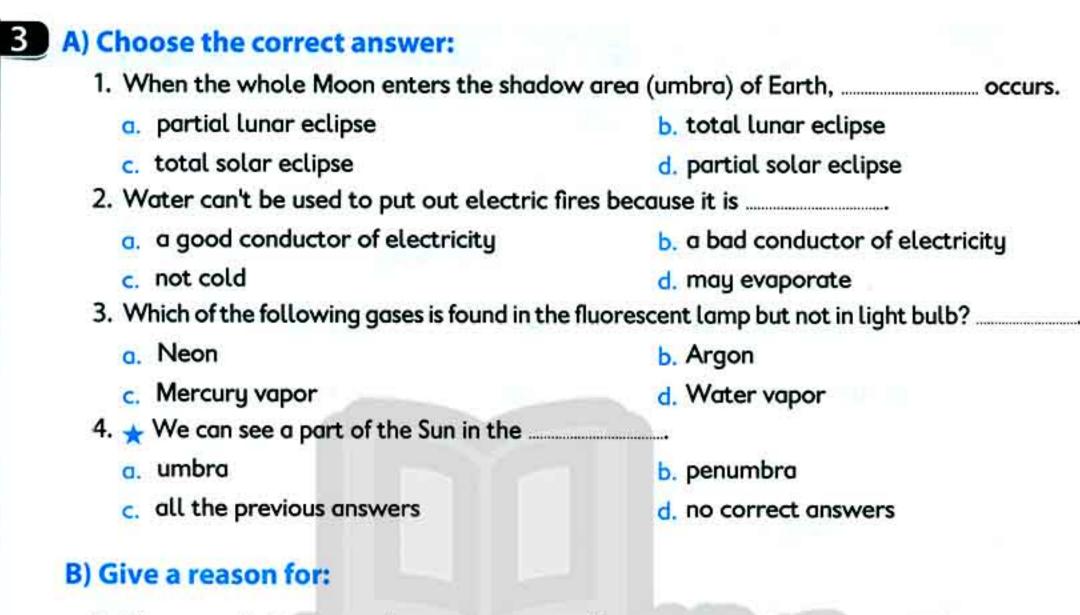
- 1. Copper and iron are electric insulators.
- To connect lamps in parallel, they are connected one after another.
- 3. In the first class levers the resistance force is between fulcrum and effort force. (......
- 4. + Umbra is a semi-dark area where the total solar eclipse occurs.
- 5. Transpiration is losing of water in the shape of water droplets.

GEM / Science / Primary 6 هذا العمل خاص بموقع ذاكروني التعليمي ولا يسمح بتداونه على مواقع أخرى र्वाक्र की जं Gem u Lie (caltil de Cherry) الصف السادس الايتدائي



Science

المحمل الكراسي الكائي



- The second class lever always conserves effort.
- 2. We shouldn't look at the Sun directly with the naked eye during the solar eclipse.

- 3. ★ The cell membrane of root hairs has a selective permeability property.
- A) The length of the force arm of a third class lever is 5 cm and the length of the arm resistance is 15 cm if the resistance has value of 300 Newton, calculate the value of affecting force.



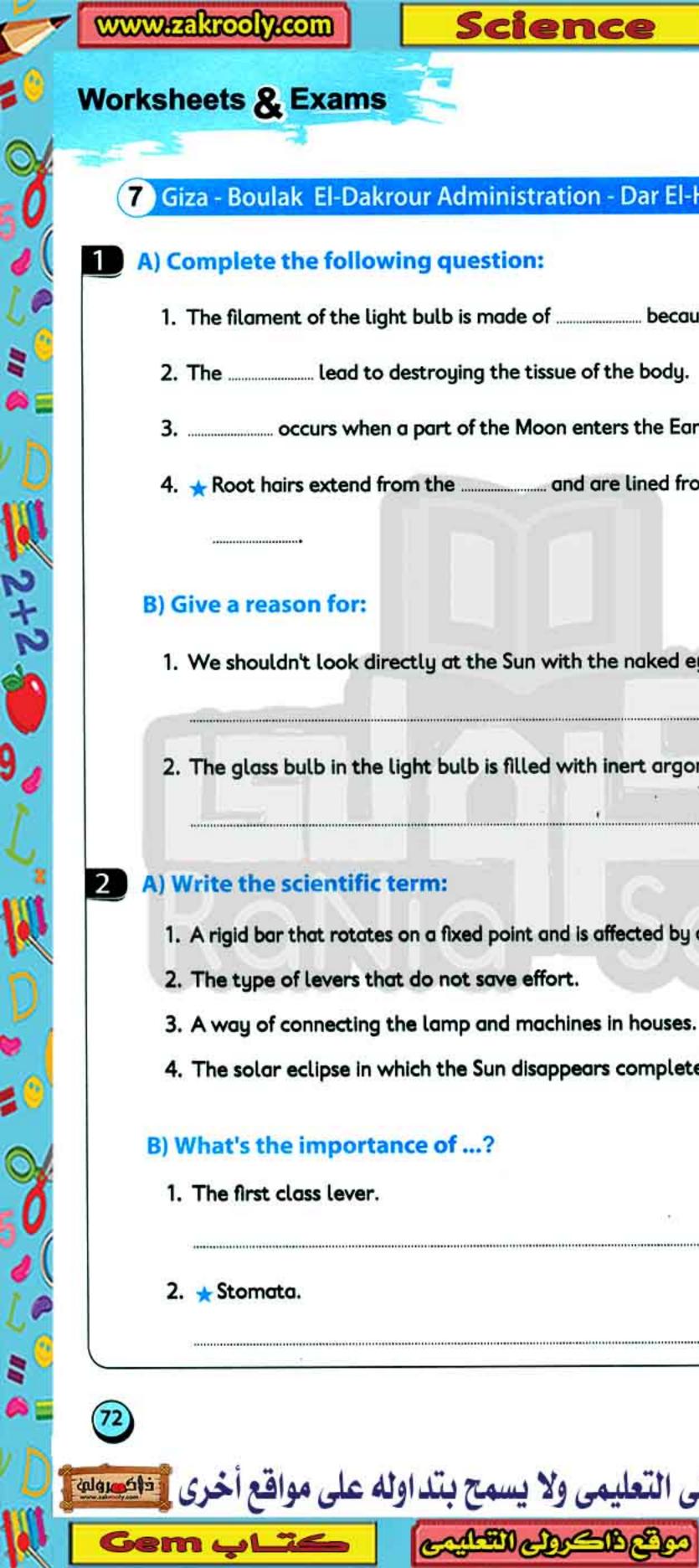
B) Choose from column A what suits it from column B:

(A)	(B)	
1. From indirect injuries is	a) Thomas Alpha Edison.	
2. Who invented the light bulb?	b) to avoid dangers.	
3. From the importance of lever is	c) falling from top of a ladder.	

C) ★ Compare between:

Osmosis property and selective permeability.





Giza - Boulak El-Dakrour Administration - Dar El-Hanan Language School

Science

المحصل الكواسي الكالي

10 >

(.....)

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GEM / Science / Primary 6

الصف السادس الايتدائي

A) Complete the following question:

- 1. The filament of the light bulb is made of ______ because it has high ______
- The lead to destroying the tissue of the body.
- occurs when a part of the Moon enters the Earth's umbra.

B) Give a reason for:

.............................

- 1. We shouldn't look directly at the Sun with the naked eye during the solar eclipse.
- 2. The glass bulb in the light bulb is filled with inert argon gas instead of air.

2 A) Write the scientific term:

هذا العمل خاص بموقع ذاكروني التعليمي ولا يسمح بتداونه على مواقع أخرى

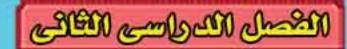
- 2. The type of levers that do not save effort.
- 3. A way of connecting the lamp and machines in houses.
 - 4. The solar eclipse in which the Sun disappears completely.

B) What's the importance of ...?

1. The first class lever.

2. 🛨 Stomata.

Science



(.....)

(......

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3 A) Problem:

The force of 50 N affected a lever of the second class whose force arm is 20 cm, calculate the resistance if the arm of the resistance equals 5 cm.

......

B) Correct the underlined words:

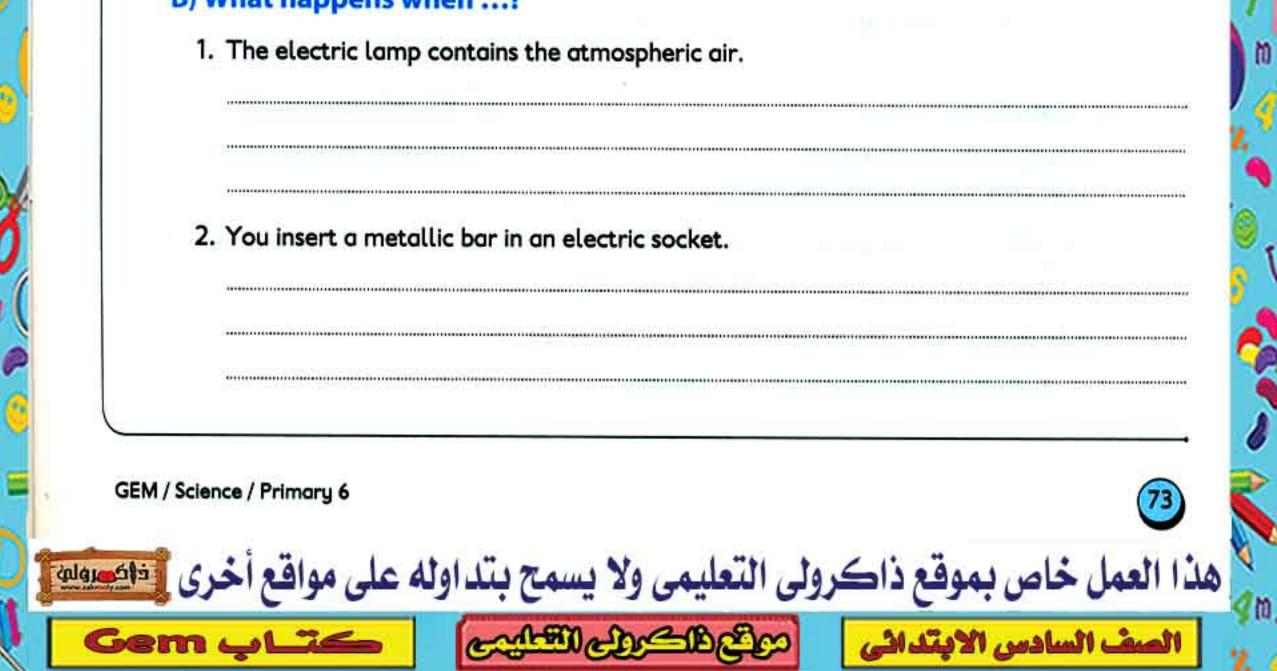
- 1. The electric lamp converts the electric energy into kinetic energy.
- 2. Wood is considered a good conductor of electricity.
- 3. The penumbra is the dark inner shadow area where the total solar eclipse occur.
- 4. 🛧 Plant absorbs nitrogen gas during the photosynthesis process.

4 A) Compare:

2+2

Point of comparison	2 nd class levers	3 rd class levers
Definition		
Example		
		<i>(</i>

B) What happens when ...?







Worksheets & Exams

B Alexandria - Al-Montazah Directorate - El-Rahman Language School

A) Write the scientific term:

- 1. A flow of electric charges that passes through a conducting material.
- 2. Levers in which effort force lies between the resistance force and the fulcrum.
- 3. An area that if the whole Moon is located in, there will be no eclipse.
- 4. It is a way in which the light bulbs are connected one after another in one route. (......)
- 5. Distance between the effort force and the fulcrum.
- Closed and continuous path through which electric current passes making a complete cycle.

B) Give a reason for:

- 1. Lamps are connected in parallel at home.
- 2. There is no annular lunar eclipse.
- 3. Crowbar is a first class lever.

2 A) What happens when ...?

- 1. Force arm equals resistance arm.
- 2. A part of the Moon enters shadow area of the Earth.



Filament of the light bulb is made of iron.

B) Problems:

کتـاب Gem

A lever has an effort force of 50 Newton, and the length of its force arm is 20 cm.
 If it is affected by a resistance force of 20 Newton, then:

موقع ذاكرولى التعليمي ولا يسمح بتداوله على مواقع

a. Calculate the length of resistance arm.

b. Does this lever conserve effort or not? And why?

GEM / Science / Primary 6

الصف السادس الايتدائي

الشحمل الكواسي الثالي

(.....)

(.....)

(.....)

(.....)

(.....)



2+

Science

المحصل الكراسي الكالي

(.....)

(_____)

(.....)

(.....)

Complete the following sentences:

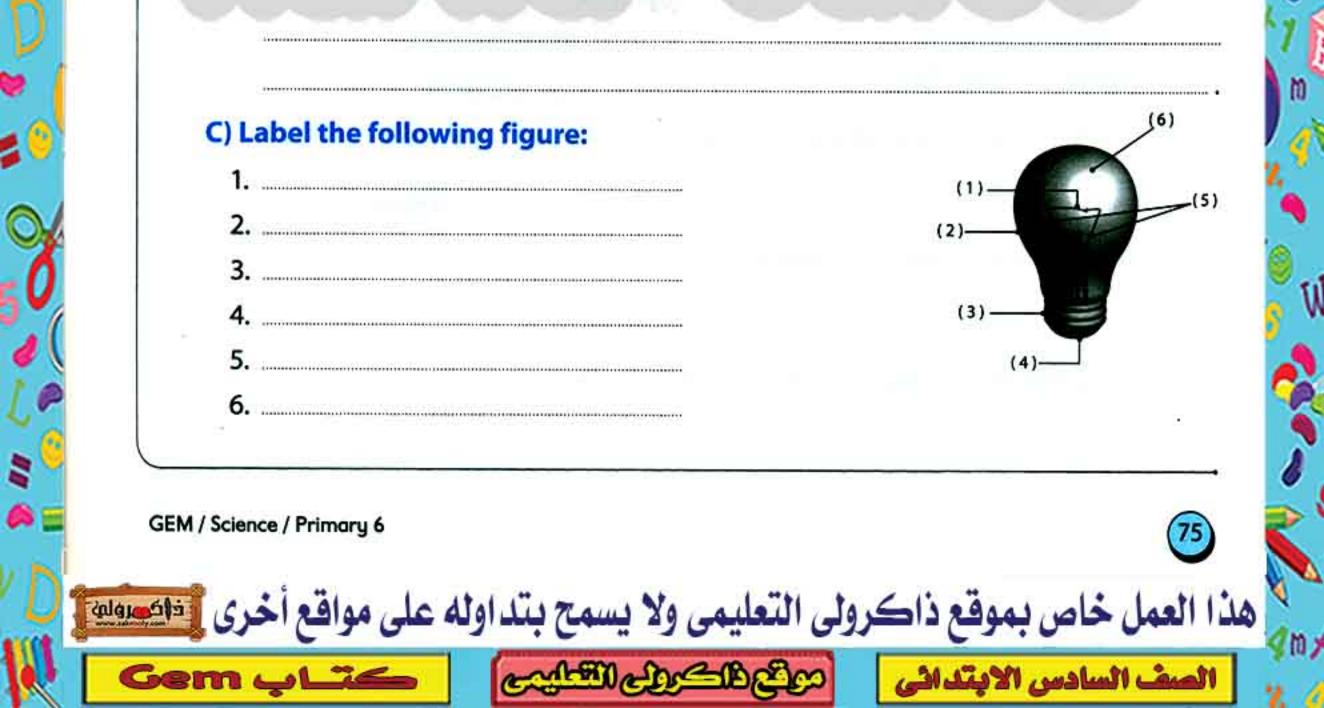
- and _____ are some of the dangers of direct electricity.
- The lever is a _____ bar that rotates around a fixed point called _____.
- 6. There are two types of lamp bases: _____ base and _____ base.

A) Correct the underlined words:

- The human body is a good conductor of electricity as it contain gases.
- 2. Plugging more than one machine to one socket causes electric burn.
- 3. During the start of total lunar eclipse, the Moon tends to be yellow.
- 4. The third class lever always saves effort.
- 5. The simple electric circuit consists of a battery, a lamp and an insulator .

B) What is meant by ...?

- The solar eclipse.





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Science

المحصل الكواسي الثكائي

m)

(.....)

(.....)

(.....)

Worksheets & Exams

Alexandria - Al-Montazah Directorate

A) Complete the following question:

- 1. Tweezers are considered a class lever but the wheelbarrow is a class lever.
- There are two ways for connecting lamps, connecting in and connecting in
- 3. The light bulb consists of the tungsten filament, and
- 5. * Root hairs absorb water from the soil by the property of
- B) The exerted force of a balanced lever equals 50 Newton and the length of its arm is 2 cm and is affected by a resistance with a value of 20 Newton, calculate the length of the arm of its resistance.

(Write the law).

2 A) Correct the underlined words:

- 1. The hockey bat is used to decrease speed.
- 2. The phenomenon of lunar eclipse occurs in the starting of the lunar month. (......)
- 3. The first scientist who described the lever is Newton-

4. The force is a fixed point that the bar rotates on.



B) Give a reason for:

1. The filament of the light bulb is made of tungsten.

2. The first class levers sometimes conserve effort.

Each stoma is surrounded by two guard cells.

GEM / Science / Primory 6
هذا العمل خاص بموقع ذاكروني التعليمي ولا يسمح بتداونه على مواقع أخرى فالصفاف المعلي مواقع أخرى فالصفاف المعليمي ولا يسمح بتداونه على مواقع أخرى فالصفاف المعليمي والمعاليمي والمي والمعاليمي والمعاليمي والمعاليمي والمعاليمي والمي والمعاليمي والموليمي والمي والمي والمعاليمي والمعاليمي والموليمي والمي و والمعاليمي والمياليمي والمي والميوليمي والمي والمي والمي والمي والمي والمي والمي والمي والميوليمي والميوليمي والميوليمي والميوليمي والموليميو والميو والميوليمي وا



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Science

المحصل الكراسي الكللي

(.....)

Resistance

my

A) Write the scientific term:

- 1. Means of converting the electric energy to light energy.
- The lever used for moving the force and increasing distance.
- The phenomena that occurs when the entire Moon falls in the shadow of the Earth.
- 4. One of the dangers of electricity that occurs as a result of the increase in the temperature of the electric machines. (.....)

B) Look at the opposite figure, then answer the following questions:

- 2. Does this lever conserve effort?
- 3. Give reasons for your answer.

A) Choose the correct answer: 4

(seven minutes - an hour - 2 hours)

Force

(first - second - third)

4. When we connect light bulb in an electric circuit in series with increasing the number of

Fulcrum



5. ★ The cell membrane of the plant's root hair is characterized by

(photosynthesis - selective permeability - transpiration)

B) What happens if ...?

- 1. You insert a metal bar in an electric socket.
- 2. Someone looks at the Sun directly with the naked eye for a long time, while observing the solar eclipse.







Worksheets & Exams

10 Dakahlia - Dakahlia Educational Directorate

A) Write the scientific term:

- It's the measuring unit of resistance and force of effort.
- The materials that allow the flow of electricity through them.
- 5. A way of connecting the lamps and machines in houses.
- 6. The levers that sometimes conserve effort.
- 7. 🛧 The process by which plants lose the excess water.
- B) A third class lever of 200 Newton force and its arm is 5 cm affects on a resistance of 100 Newton, calculate the length of the resistance arm that makes the lever balanced.

C) Mention two functions of the levers.

A) Choose the correct answer: 2

9

- - b. middle a. beginning c. end
- The fluorescent lamp contains the inert ______ gas.

d. after 5 days

المحمل الكراسي الكائي

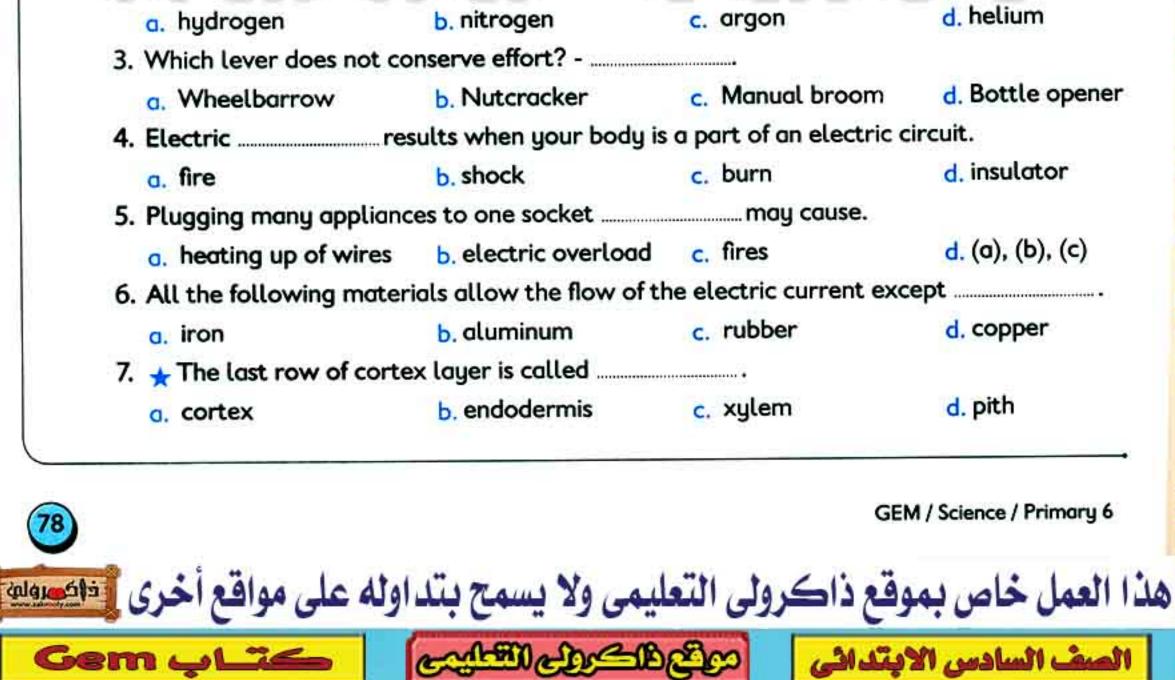
(.....)

(.....)

(.....)

(_____)

(.....)



المحمل الكراسي الكائي

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B) Give a reason for:

We should not look directly at the Sun with the naked eye during the solar eclipse.

2. There are two points of connection at each tip of the fluorescent lamp.

3 A) Complete the following sentences:

- 1. During lunar eclipse,lies betweenand
- The electric current has only one path when the light bulbs are connected in ______

B) What happens when ...?

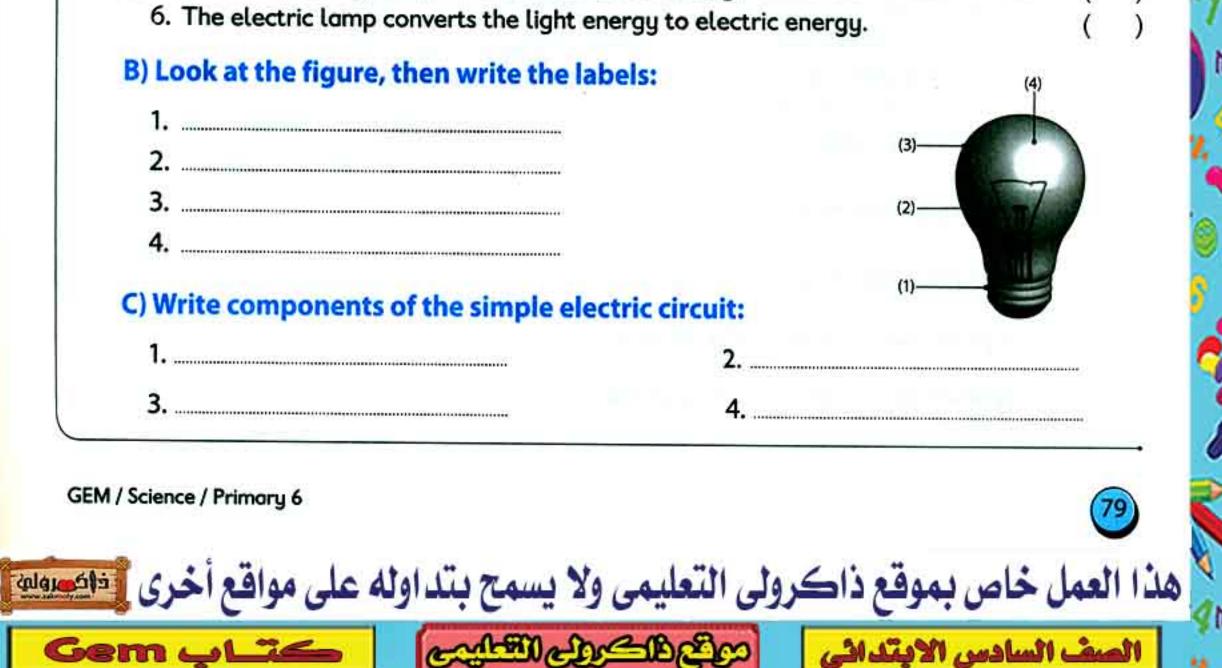
- 1. The whole Moon enters the semi-shaded area of the Earth.
- 2. One of the electric lamps burns out, while it is connected in parallel with the other.

3. * The absence of guard cells which surround the stomata in the plant's leaf.

4. A) Put (√) or (X):

2+

- 1. If the arm of force is shorter than the arm of resistance, then the lever conserves effort.(
- 2. You must leave an electric machine connected with the electric current while taking a bath.(
- The Moon is colored in blue at the start of the total lunar eclipse.
- 4. Coal holder is used to avoid dangers.
- 5. The human body is a good conductor of electricity.





2

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Science

Worksheets & Exams

11 Kafr El-Sheikh - Directorate of Education

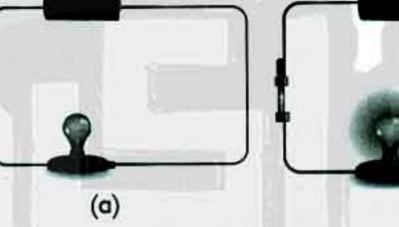
A) Choose the correct answer:

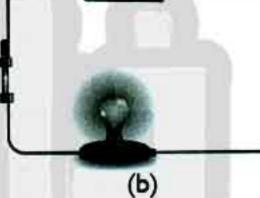
- 2. The filament inside the electric lamp is made of (aluminum tungsten iron)......
- 4. Solar eclipse always occurs (during day during night at dawn)......
- 5. 🛧 Losing water from plant is called the process.

(photosynthesis - transpiration - osmosis)

B) The device which is drawn is well-known:

- 1. Give a name to this device.
- 2. What happens in case that any of the parts are not connected?





10 >

المحصل الكواسي الكالي

2 A) Choose from column (B) which suits in column (A):

(A)	(B) a) the partial lunar eclipse occurs.	
1. Most electric machines produce		
2 Coal holder is a lever used to	b) heat.	

		0) 110001	
	Electric lamp is prevented from air to burn its filament by	c) avoid dangers.	
	 When a part of the Moon enters the shadow area of the Earth, 	d) the glass bulb.	
B) Write the scientific term:		
	1. Materials that allow the flow of electr	icity through them.	()
	2. Injuries caused by electricity which ar	e not a direct cause.	()
	3. 🛧 Small holes that are widely spread	on the lower surface of the	leaf. ()
			2 7.40 x x x x 2
80		C	GEM / Science / Primary 6
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	د يسمح بتد اوله على مواقع أخرى . يم التطبيحي المستعلم الم	ح داکرونی التعليمی وه	هذا العمل حاص بموير المسف السادس الاية
		And the second se	

المحصل الكراسي الثكائي

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(.....)

(.....)

(.....)

3 A) Give a reason for:

- 1. Most electric lamps contain argon gas inside.
- 2. Second class levers always conserve the effort.

B) Correct the underlined words:

- 1. Connecting the electric lamps in the house must be in series.
- 3. Light becomes bright when we connect more than one bulb in series.
- 4. Fluorescent lamp contains oxygen gas inside.
- 5. * Plant absorbs nitrogen gas during the photosynthesis process.

4 A) Put (✓) or (X):

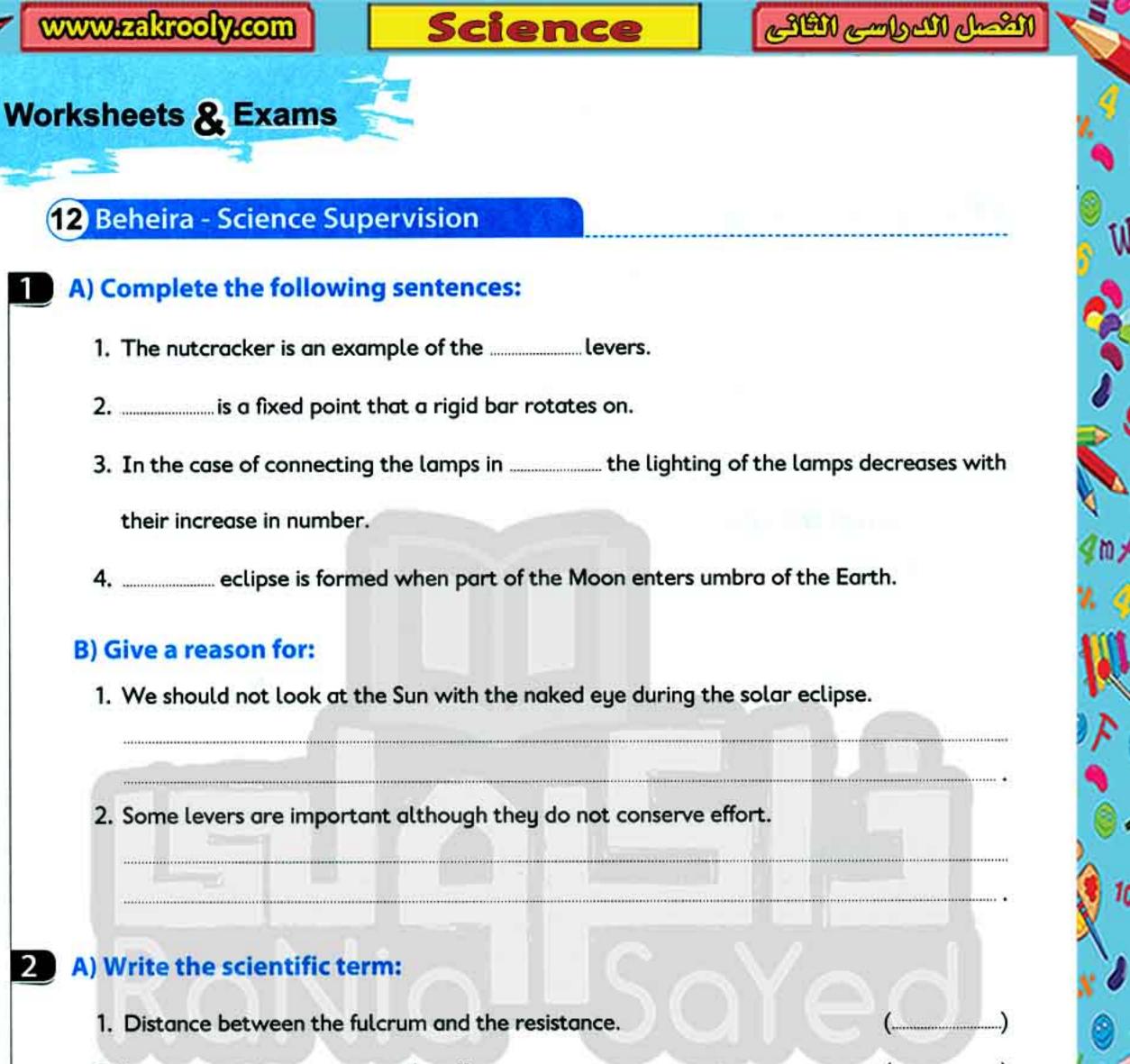
2+

- 1. Lunar eclipse causes harms to the eyes.
- 2. We must not play with electric connections.
- Copper and iron are insulators to electricity.
- 4. Third class levers do not conserve the effort.

B) Complete the following:

- - The cell membrane of the root hair has property which allows some salts to pass through.





Levers sometimes conserve the effort.



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کتـاب Gem

2+

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- One of the dangers of the electricity is that it destroys the tissues of the body.

هذا العمل خاص بموقع ذاكروني التعليمي ولا يسمح بتداونه على مواقع أخرى

(.....

GEM / Science / Primary 6

الصف السادس الايتدائي

B) What happens when ...?

1. The force equals to the resistance in the first class lever.

2. You insert a metallic bar in an electric socket.



المحصل الكراسي الكالي

3 A) Choose the correct answer:

- 1. The fluorescent lamp contains _____ gas. (oxygen argon chlorine)
- - (first middle end)

(first - second - third)

(.....)

(.....

(tungsten - copper - iron)

5

m;

- 5. ★ The plant gets mineral salts through

(selective permeability - osmosis property - transpiration)

B) What is the importance of ...?

- 1. A glass bulb in the light bulb.
- 2. Second class lever.

4 A) Correct the underlined words:

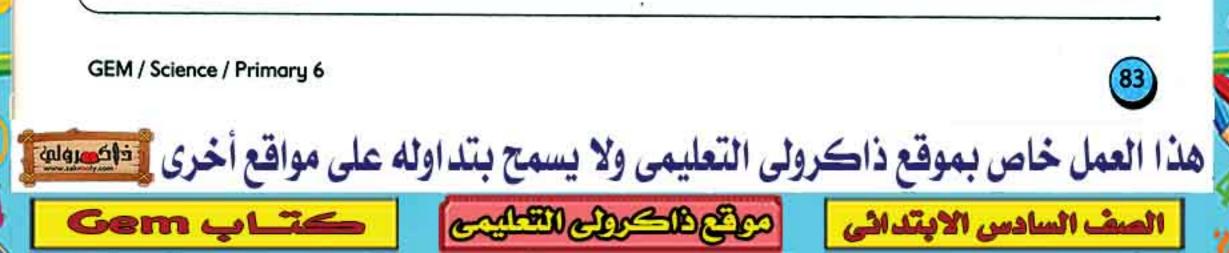
- 1. The lunar eclipse occurs two times each month.
- 2. The electric lamp changes the electric energy into kinetic energy.
- 3. Rubber is from the materials that allow the flow of electricity through it.



2+

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- 4. Solar eclipse duration does not extend more than two hours and forty seconds. (______)
- 5. ★ Plants carry out the photosynthesis process to get rid of excess water.
- B) The length of the force arm is 5 cm and the length of the resistance is 15 cm. If the resistance has a value of 300 Newton, calculate the value of the affecting force.







المحصل الكواسي الثكائي

(.....)

(.....)

(.....

(......)

Worksheets & Exams

13 Beheira - Kafr El-Dawar Educational Zone - El-Safwa Private School

A) Complete the following question:

1. If the length of effort force arm is longer than the resistance arm, so the effort force is

- occurs as a result of passing electric current through the human body.
- occurs when the whole Moon enters the Earth's umbra.
- 4. 🛧 The outer layer of root is called
- B) Lever has fulcrum between resistance force and effort force if the effort force is 200 Newton and length of force arm is 2 cm.

Calculate the value of resistance force if the length of resistance arm is 4 cm. Does this lever conserve effort or not?

2 A) Write the scientific term:

- 1. It is an astronomical phenomenon which occurs when the Sun, Earth and
 - Moon are nearly on a straight line with the Moon in the middle.
- 2. The distance between fulcrum and resistance.
- 3. They are burns that result from electricity and cause the damage of



9,

- body tissues.
- It occurs when part of the Moon enters the Earth's umbra.
- 5. 🛧 The losing of water in the shape of water vapor from the plant leaves.

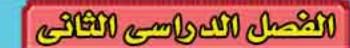
B) What happens when ...?

1. You touch a non-insulated wire that has an electric current.

2. Effort \times its arm does not equal to resistance \times its arm.







d. coal holder

3 A) Choose the correct answer:

- We can observe the lunar eclipse when the Moon phase is the ______.
 a. crescent
 b. 1st quadrature
 - c. full Moon d. new Moon
- 2. From levers which conserve effort is _____.
 - a. manual broom b. tweezers c. wheelbarrow
- 3. The lunar eclipse occurs
 - a. twice per year b. once every 21 years
 - c. we cannot predict it
- Levers were first described in 260 BC by the Greek scientist
 - a. Tomes alpha Edison b. Newton c. Archimedes d. Bohr

B) Compare between the first class lever and the third class lever:

P.O.C	First class lever	Third class lever
Definition		
Example		

b. once per month

4 A) Look at the figure in front of you, then answer:

- (1) points to
 - and its function
- (2) points to
 - and its is made of





2+1

- (3) points to _____

and its function

B) Give a reason for:

- 1. Some levers are important for man although they do not conserve effort.
- 2. Don't place furniture close to electrical machine that generates heat.
- 3. We shouldn't look directly at the Sun with the naked eye during the solar eclipse.







Worksheets & Exams

14 Damietta - Directorate of Education - Official Language Schools

A) Complete the following sentences:

- 1. The fluorescent lamp contains _____ gas and little of _____
- When the arm of force equals the arm of resistance, the ______ is equal to the ______.
- 3. When a part of the Moon enters the Earth's umbra, _____ phenomenon occurs, while

phenomenon occurs when the cone shadow of the Moon does not reach

the Earth's surface.

4. The filament of the bulb is made of and that is because it has a high

B) What happens when ...?

- 1. We put out the electric fires by water.
- 2. The light bulbs in the house are connected in series.

2 A) Write the scientific term:

- 1. One of the dangers of electricity causing damage to the tissues of the body. (......)
- 2. Materials that allow the flow of electric current through them.
- 3. The solar eclipse in which the Sun disappears completely.



2+

9

4. A method when electric lamps are connected one after another.

B) Look at the figure, then answer the following:

1. The figure represents

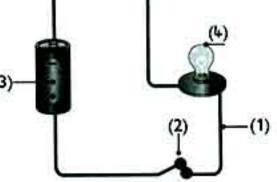
1.

3.

2. Write the labels:

the light bulb glows.

2.



(.....)

(.....

(.....

المحصل الكراسي الكائي

m)

GEM / Science / Primary 6

هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى معطي العمل العمل فالمعامية المعادي المعطية

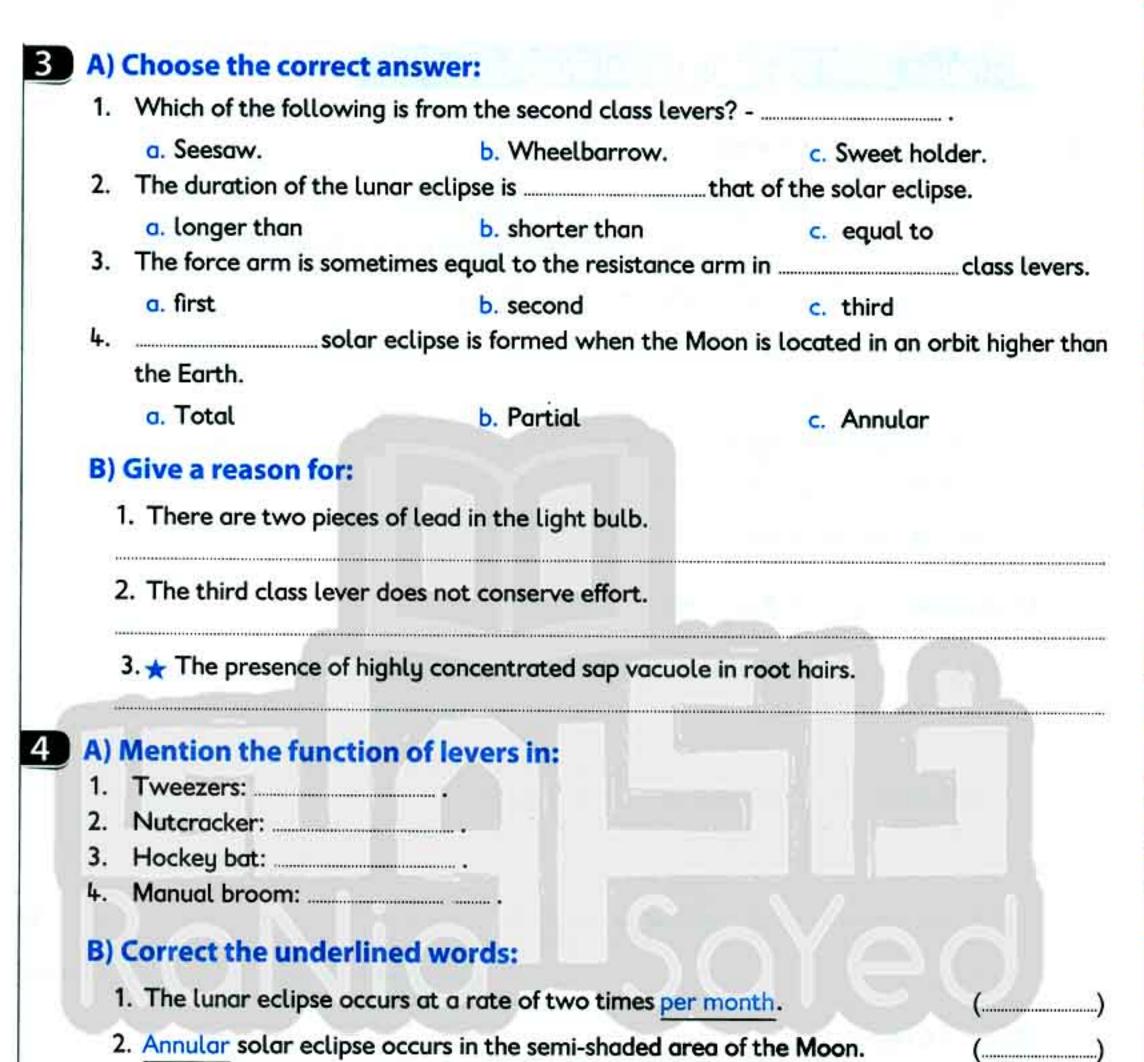


2+

Science

المحصل الكواسي الكلي

m)



- - Fires resulted from electricity are put out by water.
 - 4. The first class lever has the resistance between the force and the fulcrum.
 - 5. * The membrane of root hairs is impermeable.
- C) The length of the force arm of a crowbar is 100 cm, and the length of the resistance arm is 15 cm, if the value of resistance equals 400 Newton. Calculate the value of effort force and mention the type of the lever.



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Worksheets & Exams

15 Sharkia - Sharkia Educational Directorate

Write the scientific term:

- 1. The fixed point of a rigid bar on which the bar rotates.
- 2. Levers that have the force between the resistance and the fixed point.
- 3. The type of levers that always conserve effort.
- 4. Means of converting the electric energy to light energy.
- 5. Materials that allow the electric current to pass through them.
- The phenomenon that occurs when the Earth comes between the Moon and the Sun on one straight line.
- 7. 🛧 They are tiny holes found on the surface of the leaf.

2 A) Choose the correct answer:

- - (first second third)

المحصل الكراسي الكلكي

(.....)

(.....)

(.....)

(.....)

(.....)

(.....)

(.....)

- 2. The phenomenon of the lunar eclipse occurs in the _____ of the lunar month.
 - (end first middle)
- 3. When we increase the number of the electric lamps in the series connection, their light

(increases - decreases - remains the same)

B) Give a reason for:

intensity



- 1. The filament of the light bulb is made of tungsten.
- 2. Water cannot be used to put out the fire resulting from electricity.
- 3. We should not look directly at the Sun with the naked eye during the solar eclipse.



المحصل الكراسي الكلي

3 A) Complete the following:

- Levers are very important as they increase speed , _____ and _____
- 2. The simple electric circuit consists of ______, and electric switch.
- and ______ are examples of materials that are electric insulators.
- B) The force affecting a second class lever equals 200 Newton and the length of its arm is 50 cm and a resistance with a value of 1000 Newton, calculate the value of the arm of the resistance:
 - 1. Law of levers
 - 2. Arm of the resistance =

Correct the underlined words: 4

- 1. The crowbar is an example of the third class levers.
- 2. The manual broom is an example of second class levers.
- 3. The glass bulb of the electric lamp contains hydrogen gas.
- 4. The electric lamps are connected in the house in series.
- 5. The electric fire occurs due to the passage of the electric current

(.....)

(.....)

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- through the human body.
- 6. In the beginning of the total lunar eclipse, the color of the Moon tends to be black.
- * Oxygen gas is produced during the respiration process in the plant.







Worksheets & Exams

16 Port Said - Directorate of Education - Inspectorate of Science

Complete the following:

- 1. The nutcracker is an example of the _____ class lever.
- 3. In the solar eclipse, ______ is found between the Sun and ______
- 4. All light bulbs are connected in in the house.
- 5. The manual broom is an example of the _____ class levers.

A) Choose the correct answer:

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- The filament of the light bulb is made of _____.
- a. nutcrackerb. sweet holderc. scissors3. From the examples of good electric conductors is
- a. wood
 b. plastic
 c. copper
 4. Force arm is sometimes equal to resistance arm in ______ class levers.
 a. first
 b. second
 c. third

B) Match from column (A) with suitable in column (B):

(A)	and the state of the (B) is the set of the first state of the set
1. First class levers	a) Levers that always conserve the effort.
2. Second class levers	b) Levers that do not conserve the effort.
3. Third class levers	c) Levers that sometimes conserve the effort.
4. The fulcrum	d) Fixed point that a rigid bar sits on.

3 A) Write the scientific term:

- The phenomenon that occurs when a part of the Moon enters the shadow area of the Earth.

س بموقع ذاكروني التعليمي ولا يسمح بتداونه على مواقع أخرى

GEM / Science / Primary 6

الصف السادس الايتدائي

هذا العمل خاه

الشحسل الكواسي الثكائي

107



المحمل الكراسي الثكلي

(.....)

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B) Correct the underlined words:

- 1. Looking directly at the lunar eclipse is harmful to the eye.
- 2. While connecting the lamps in parallel, the lamps are connected one after another.

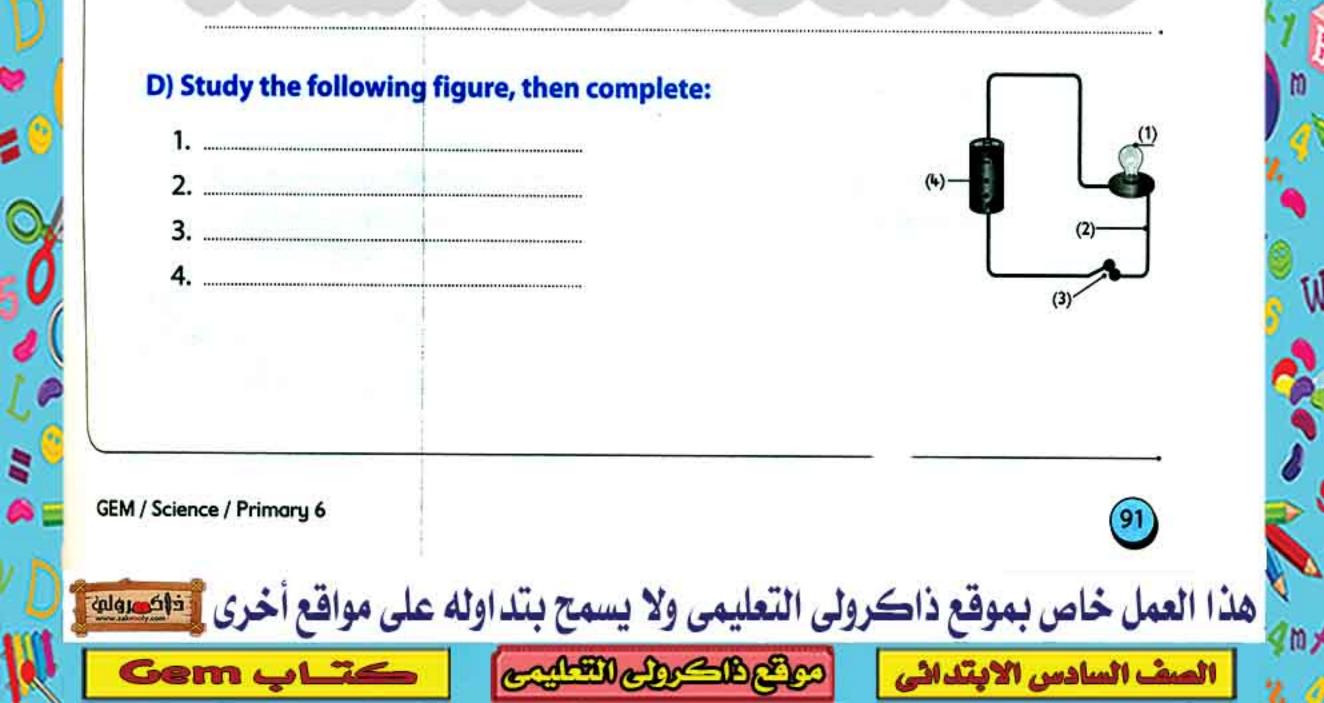
4 A) Give a reason for:

- 1. Water cannot be used to turn off the electric fires.
- 2. 🛧 Root hairs can absorb water from the soil.

B) When would happen in each of the following cases?

When the whole Moon enters the shadow (umbra) area of the Earth.

C) The force affecting a second class lever equals 200 Newton and the length of its arm is 50 cm and has a resistance with a value 1000 Newton, calculate the value of the arm of the resistance.





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Science

Worksheets & Exams

17 South Sinai - Science Supervision

A) Complete the following sentences:

- 1. In the third class levers, the _____ lies between _____ and fulcrum.
- 2. From electric insulators and
- 3. From the components of the electric circuit are electric wires, switch and
- Solar eclipse occurs when lies between the and the Sun on the same straight line.
- 5. The ______ from electric dangers that causes the damage of the human body tissues.
- 6. Sweet holder is an example of _____ levers.

B) Give a reason for:

- 1. We cannot use water in putting out electric fires.
- 2. Some levers are important for man although they do not save effort.
- 3. The presence of stomata on the lower surface of the plant leaves.

2 A) Choose the correct answer:

- 1. _____is/are from second class levers. (Scissors Wheelbarrow Manual broom)
- is from the electric conductors.
- 4. ______ is an example of first class levers. (crowbar bottle opener manual broom)
- 5. In electric lamp, the electric energy changes into energy. (kinetic light sound)

(less than - more than - equal)

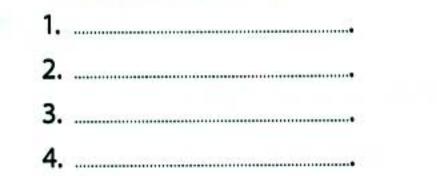
(wood - rubber - iron)

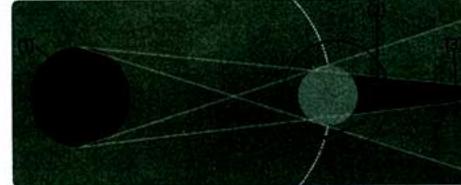
1

المحصل الكواسى الكالى

B) Mention some of the important precautions when dealing with electricity:

C) The opposite figure represents the lunar eclipse phenomenon. Observe it, then label the figure:







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Science

الشمال الكراسي الكالي

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A) Put (1) or (X):

3

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- 1. The light bulb contains mercury vapor.
- 2. Bottle opener is a third class lever.
- Lunar eclipse does not require precautions or special devices to observe.
- 4. Scissors are from first class levers.
- 5. If the force arm is longer than the resistance arm, so the force is more than the resistance and the lever saves effort.
- 6. In the second class levers the force arm may be equal to the resistance arm.

B) Compare between:

Total lunar eclipse	Partial lunar eclipse

C) Join from column (A) with the suitable in column (B):

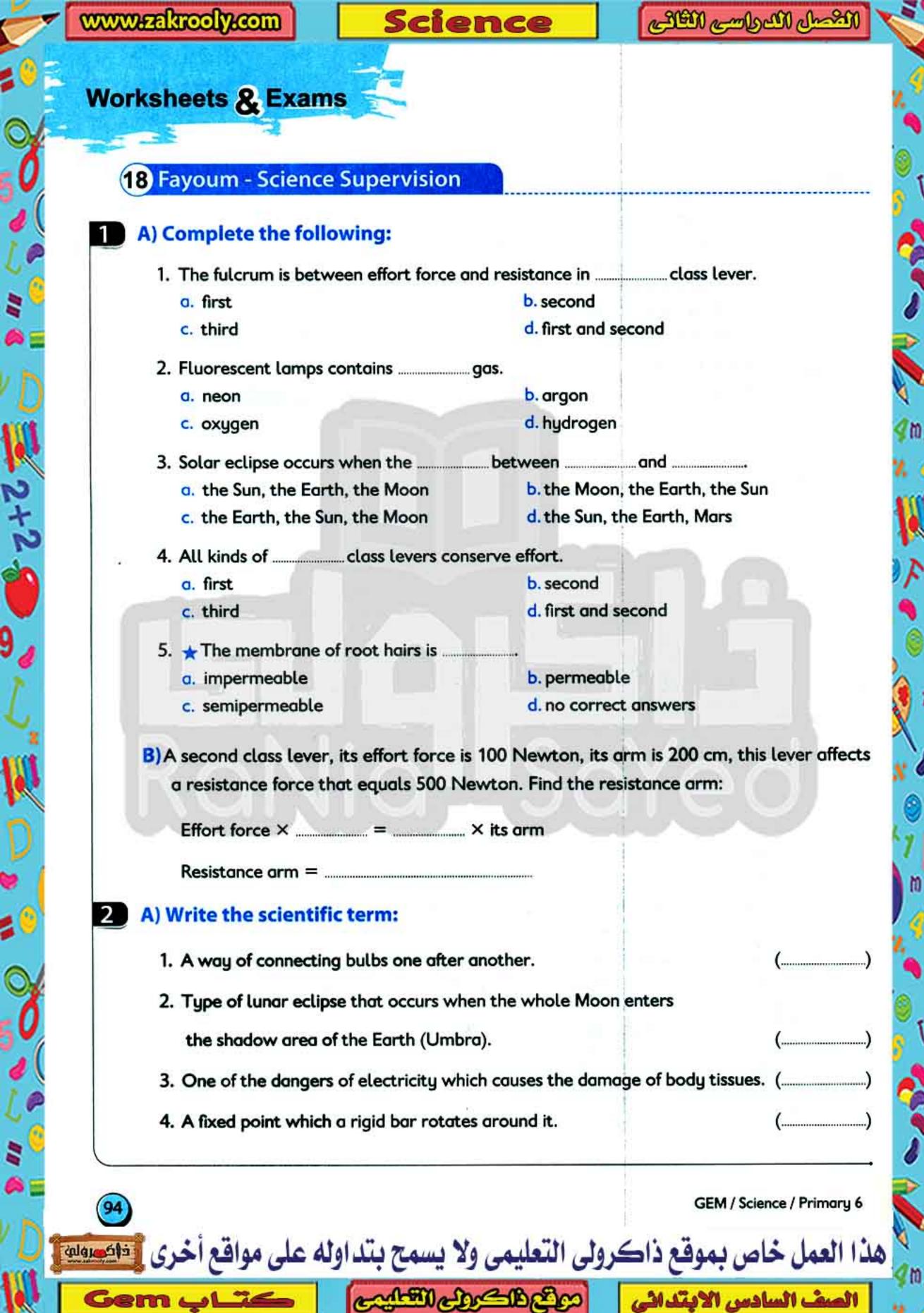
anoth ad thurbadt Bash alt of the		
a. connect the lamp to electric circuit.		
b. source of the electric current.		
c. save effort some time.		
d. always save effort.		
e. always do not save effort.		

4 A) Write the scientific terms:

- 1. Levers at which the resistance lies between force and fulcrum.
- 2. A coiled thin wire made of tungsten in the light bulb.
- 3. A way in which the light bulbs are connected one after another, where the light intensity of the bulbs decreases by increasing their numbers.
- 4. The fixed point of a rigid bar on which the bar rotates.
- 5. One of the dangers of electricity that occurs as a result of passage of electric current through the human body.
- 6. Levers at which the fulcrum lies between the force and the resistance.
- B) In a lever, if the length of the force arm = 4 cm, the length of the resistance force = 6 cm, and the value of the force = 48 N, calculate the value of the resistance. C) What happens when ...?
 - 1. The electric lamps in decorative lights are connected in series not parallel.

- 2. The whole Moon enters the semi-shaded area of the Earth.
- 3. The electric lamps contain the atmospheric air.
- 4. You place the electric heater too close to furniture and rugs.





.....

B) Give a reason for:

- 1. The bulb filament is made up of tungsten.
- 2. You shouldn't observe the Sun directly.
- 3. 🖈 Root hairs can absorb water from the soil.

3 A) Put (✓) or (X):

- 1. The crowbar is a first class lever.
- 2. In the electric bulb, the electric energy changes into kinetic energy.
- 3. The lunar eclipse does not require precautions.
- 4. In houses the electric lamps are connected in series.

B) Classify the following tools (levers):







المحصل الكواسى الثكائي

4 A) Complete the following question:

- 1. From examples of good conductors of electricity are _____ and _____
- When a part of the Moon enters the shadow of ______ a _____ lunar eclipse takes place.



2+

- - 4. 🛧 The outer layer of root is called

B) What happens when ...?

- 1. The effort force is between resistance and fulcrum.
- 2. Placing an electric heater near to furniture.
- 3. Presence of air inside the electric bulb.







الشميل الكراسي التكلي

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Worksheets & Exams

19 Assuit - Directorate of Education

A) Complete the following:

- 1. The type of levers where the arm of the force and the arm of resistance are equal is
- 2. In the solar eclipse, ______ is found between the Sun and ______
- 3. Metallic materials are considered from the electric, while glass and rubber are

considered from the electric

B) * Rearrange the layers of the root from inside to outside:

(Xylem - Pith - Epidermis - Cortex - Endodermis)

2 A) Put (√) or (X):

- 1. The fulcrum in scissors lies between force and resistance.
- 2. The spiral base of the light bulb glows due to passing the electric current through it.
- 3. If the force arm is smaller than the resistance arm, the lever saves effort.
- 4. The lunar eclipse occurs in the end of the lunar month.
- 5. The human body is a good conductor of electricity.



2

B) What happens when ...?

1. Putting out the electric fires with water.

2. The light bulbs in the house are connected in series.





الشحيل الكراسي الثكائي

(.....)

(.....)

(.....)

(......

(2)

my

3 A) Write the scientific term:

- 1. A way used to connect electric lamps in branching routes.
- 2. It occurs when part of the Moon enters the shadow area of the Earth.
- 3. One of the dangers of the electricity is that it destroys the tissues of the body.

4. Type of levers that does not save effort.

B) Give a reason for:

2+1

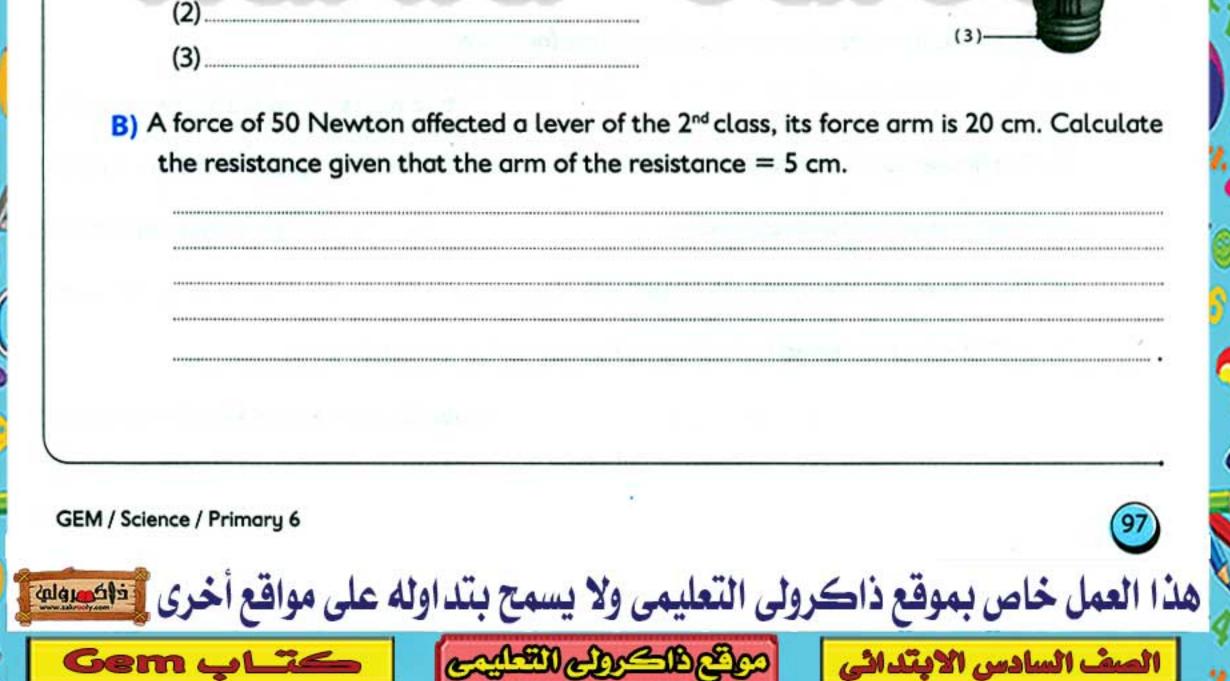
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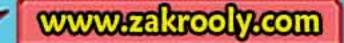
1. We should not look at the Sun with the naked eye.

2. Sometimes the first class lever saves effort.

4 A) Look at the figure, then answer

- 1. The device is
- 2. Label the figure:
 - (1)







Worksheets & Exams

20 Qena - Qena of Educational Administration

A) Complete the following question:

- Materials that allow the of electricity through them are electric conductors.
- Wheelbarrow and soda bottle opener are examples of the _____ class lever.
- When connecting light bulbs in series, the light intensity of the lamps _____ by increasing their numbers.
- 4. Accuracy in performance and avoid dangers are from tasks of the _____ class lever.

B) What is meant by ...?

- 1. The lever.
- 2. 🛧 Solar eclipse.



98

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1. The duration of the lunar eclipse may last for more than _____.

(two hours - two days - two months)

الشحيل الكواسي الثكائي

- (neon argon helium)
- (total partial total and partial) The types of the lunar eclipse are
- 4. The filament of the light bulb is made of
- 5. * Water is transferred from the plant's stem to the leaves through

س بموقع ذاكروني التعليمي ولا يسمح بتداونه على مواقع أخرى

(endodermis - xylem vessels - stomata)

GEM / Science / Primary 6

الصف السادس الايتدائي

هذا العمل خاه

(copper - tungsten - iron)

B) Give a reason for:

The electric heater must not be place close to textiles and carpets.

Sometimes the first class levers do not save effort.

3 Put (√) or (X):

- 1. Water is used to put out electric fires.
- 2. Not leaving the wires naked is from the precautions of dealing with electricity.
- 3. All lamps and machines in the house are connected in parallel.
- Falling from top of a ladder is considered from direct electric injuries.
- 5. Plastic, glass, rubber and wood are from the examples of the electric insulators.
- 6. In the third class levers, the resistance is between the effort force and the fulcrum.
- 7. * The endodermis layer regulates the passing of water to the xylem.

4 A) Write the scientific term:

- It is one of the dangers of electricity that occurs due to passing the electric current through the human body.
- It is a type of electric lamps that consists of a glass tube and two filaments of tungsten and two points of connection.





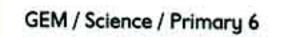
المحصل الكراسي الكالي



B) A force of 30 Newton affects a lever and its force arm is 20 cm, the resistance is 20 Newton. Calculate the resistance arm.

C) * Compare between the solar eclipse and the lunar eclipse.

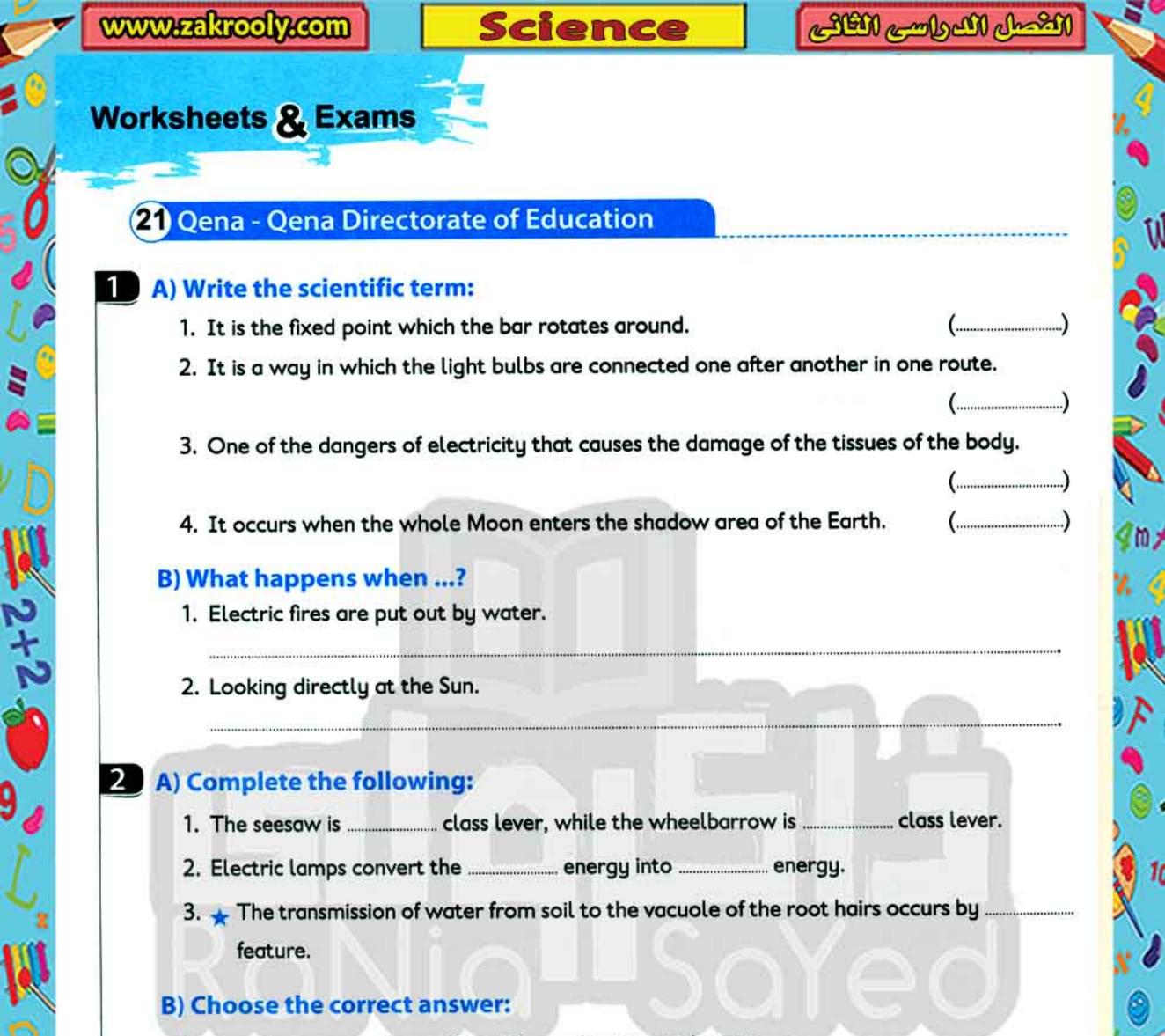
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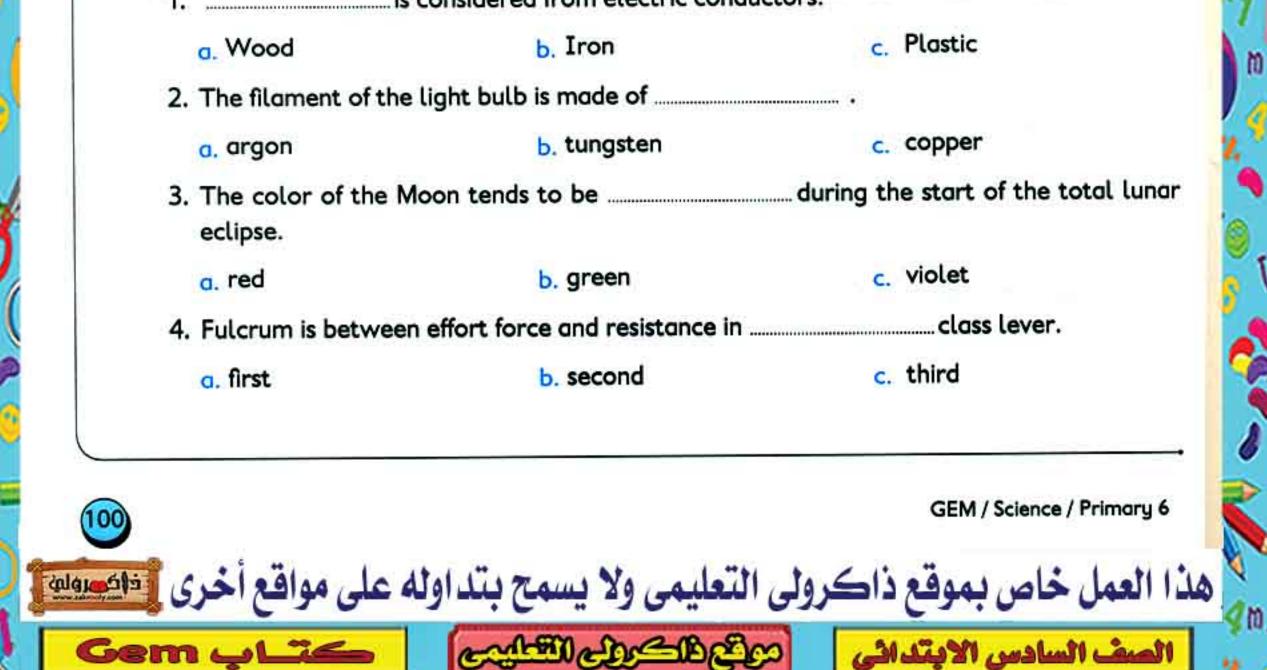
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is considered from electric conductors.





المحصل الكراسي الكائي

10 >

3 A) Put (√) or (X):

- 1. The crowbar is a third class lever.
- The effort force is measured by centimeter or meter.
- 3. The light bulbs are connected in parallel in the house.
- 4. The electric lamps contain the atmospheric air.
- 5. The lunar eclipse lasts for four minutes.
- Solar eclipse occurs when the Moon is between the Sun and the Earth in one straight line.

B) Give a reason for:

- Second class levers save effort force.
- 2. You shouldn't place a metallic object in the socket.
- The cell membrane of root hairs has a selective permeability property.

A) In a lever, the effort force is 100 Newton, the length of the force arm = 25 cm and the resistance = 500 Newton. Calculate the resistance arm.

B) The opposite figure represents

Write the labels:

4

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3

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Worksheets & Exams

22 Sohag - Akhmeem Educational Management

Complete the following:

- 1. Levers help us to perform tasks more easily by and
- The force and the resistance in levers are equal, if ______.
- The filament of the light bulb is made of ______ because it has high _____.
- 4. There are two ways to connect electric lamps: _____ and _____
- 5. The eclipse occurs when the hides the sunlight from part of the Earth.

المحمل الكراسي الكلي

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2 Put (√) or (X):

- 1. Wheelbarrow is an example of the first class lever.
- The lever conserves effort if the effort force arm is shorter than the resistance arm.
- 3. The fluorescent lamp contains neon gas.
- 4. In series connection, if one lamp burns the other, lamps keep light.
- 5. The duration of the solar eclipse may last for more than two hours.
- We use special glasses during observing the lunar eclipse.

A) Write the scientific term:

- 1. The fixed point of a rigid bar.
- 2. The type of levers that always conserve effort.
- 3. Tool that converts the electric energy to light energy.
- The dangers of electricity that cause damage of the tissues of the body.
- The losing of water in the shape of water vapor from the plant leaves.





المحمل الكراسي الكائي

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الصف السادس الايتدائي

B) Compare between:

Comparison	Electric conductors	Electric insulators
Definition		

Examples		

A) The force affecting a lever equals 200 Newton and the length of its arm is 50 cm and a resistance with a value of 1000 Newton, calculate the value of the arm of resistance. (Mention the law of levers).

B) What happens when ...?

- 1. There is air inside the light bulb.
- 2. The electric fire is put out by water.



3. The Earth comes between the Moon and the Sun and they are all on one straight line.

هذا العمل خاص بموقع ذاكروني التعليمي ولا يسمح بتداونه على مواقع أخرى

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4. 🖈 There is no osmosis feature in the plant.



Worksheets & Exams

23 Sohag - Sohag Educational Zone

A) Complete the following:

- 1. The distance between the force and fulcrum is known as ______ whereas the distance between the fulcrum and the resistance is called
- The harms resulting from an electric shock depend on _____ and ____.
- tube surface is covered with a material.
- The is widely spread on the lower surface of the leaves.

B) Give a reason for:

- 1. The wheelbarrow is a lever that always conserves effort.
- In houses, electric lamps are connected in parallel.

A) Write the scientific term:

- 1. A rigid bar that rotates around the fulcrum and is affected by the force and the resistance.
- Materials that allow the flow of electric current through them.



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(.....)

(.....)

GEM / Science / Primary 6

الصف السادس الايتدائي

(.....

الشحيل الكواسي الثكائي

- A tool used to convert the electric energy to light energy.
- 5. A type of levers that always does not save effort.

B) The affecting force on a second class lever equals 200 Newton and the length of its arm is 50 cm. If the value of the resistance is 100 Newton, calculate the value of the arm of resistance.

بموقع ذاكرولى التعليمي ولا يسمح بتداوله على مواقع أخ



المحمل الكراسي الثالي

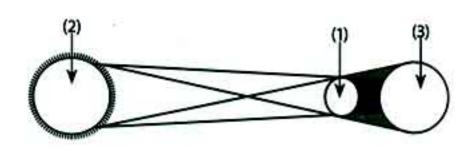
(.....)

(.....

3 A) The figure shows the solar eclipse:

Write the labels:

1. _____. 2. _____. 3. _____.



B) Put (√) or (X):

- Rubber is from insulators of electricity.
- The fluorescent lamp contains one filament of tungsten.
- If the arm of force is longer than the arm of resistance then the lever conserves the effort.
- 4. Water is not used to put out electric fires.

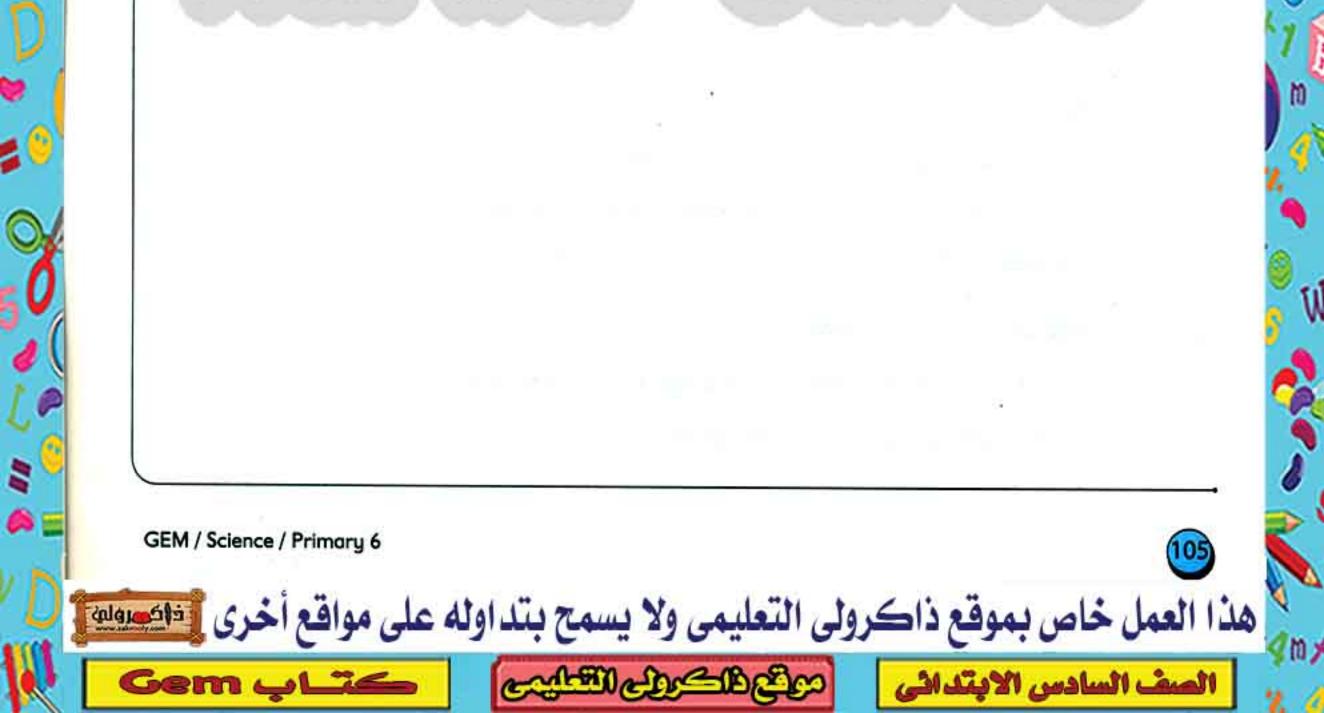
A) What happen when ...?

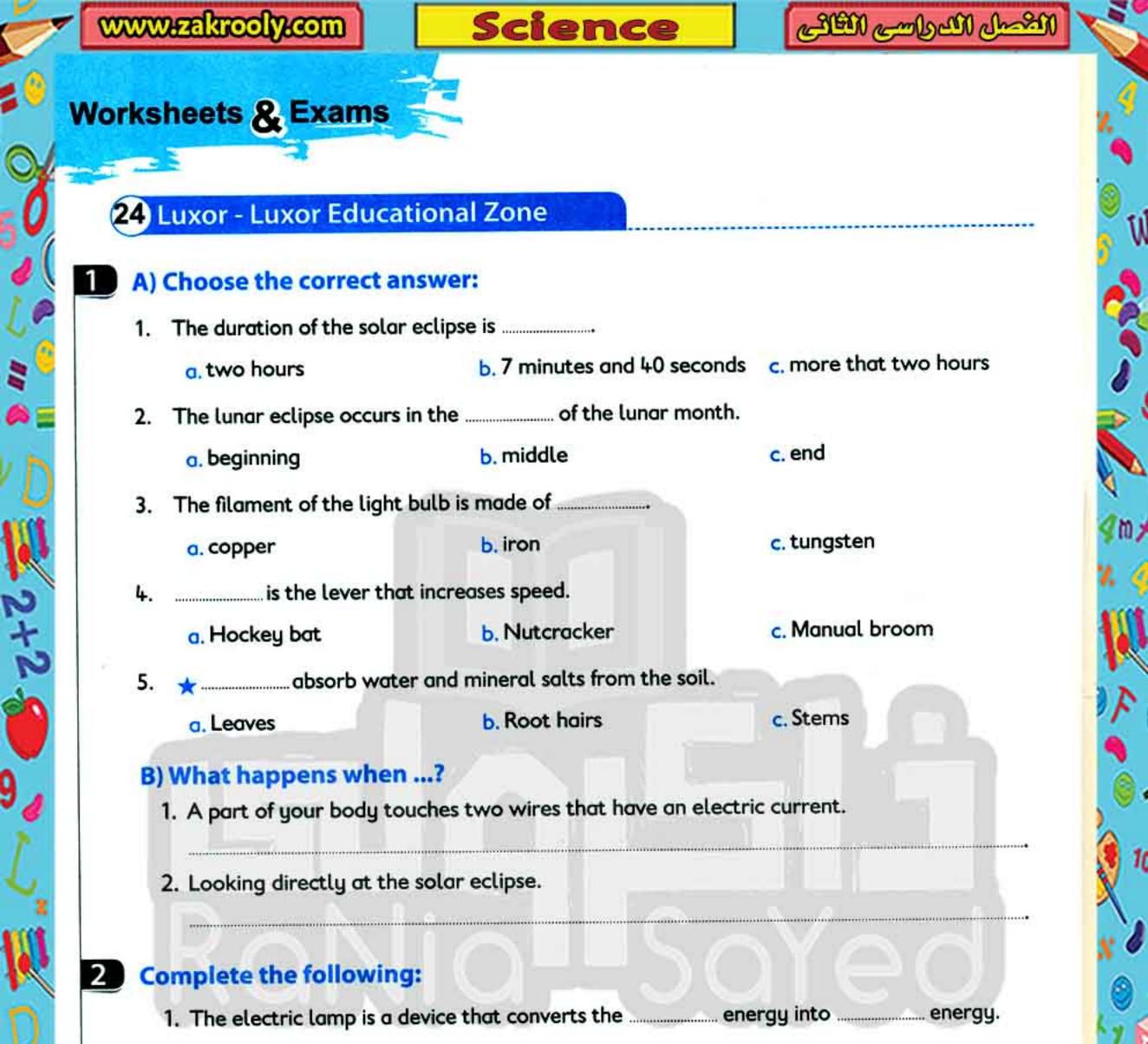
2+

- 1. The filament of the light bulb is made of iron.
- 2. * There is no osmosis feature in the plant.

B) Correct the underlined words:

- 1. The lunar eclipse extends for more than two days.
- 2. Looking at the lunar eclipse causes several harms to eye.
- <u>Electric fire</u> occurs as a result of passing an electric current through the human body.





- 2. _____ and _____ are ways that connect electricity.
- 3. The crowbar is considered a _____ class lever, but the _____ is a third class levers.

.....

......

- 5. _____ and _____ are good conductors of electricity.

3 A) Write the scientific term:

- The distance between the resistance force and the fulcrum.
- A fixed point that a rigid bar rotates on.

GEM / Science / Primary 6 هذا العمل خاص بموقع ذاكرولى التعليمى ولا يسمح بتداوله على مواقع أخرى معافي المعالي العمل العمل مواقع أخرى معادي المسف السادس الابتدائى معانى هما كماكروكى التقاييمي المعالي معالي معالي مواقع أخرى معادي المعالي المعالي المعالي



- 3. They are burns that result from electricity and cause damage of the body tissues.
- 4. A type of eclipse that occurs when the Moon lies in a higher orbit from the Earth.

المحمل الكراسي الكالي

(.....)

(.....)

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(.....)

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B) Give a reason for:

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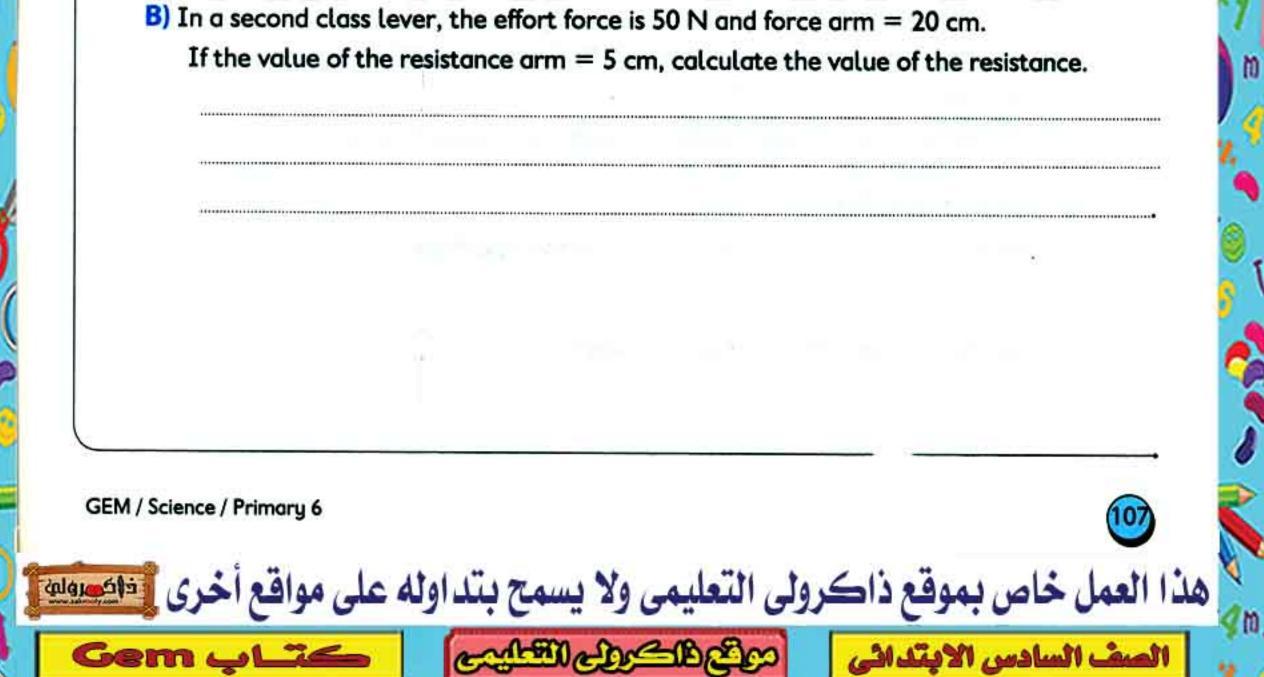
9

- 1. Wheelbarrow always conserves effort.
- 2. In total lunar eclipse the Moon tends to be red.

A) Correct the underlined words:

1. In parallel connection of electricity, the light intensity decreases by increasing the number of light bulbs. (.....)

- 2. When you place the electric heater close to a curtain, it causes electric shock.
- 3. When a part of the Moon enters the cone shadow partial solar eclipse occurs.
- 4. Base of light bulb glows and emits light when the electric current passes through it.
- Stomata are found in large numbers on the plant's stem.





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Science

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25 Aswan - Aswan Educational Directorate

A) Complete the following: 1

- 1. The crowbar is considered a ______ class lever, but the manual broom is a ______ class lever.

- 4. There is a conservation of effort for the first class lever if ______ is larger than ______.
- The in plant is surrounded by two guard cells.

B) Compare between:

1. Electric conductors and electric insulators.

P.O.C	Electric conductors	Electric insulators
Definition		
Examples		
Comment of the local division of the local d		

2. Second class lever and third class lever.

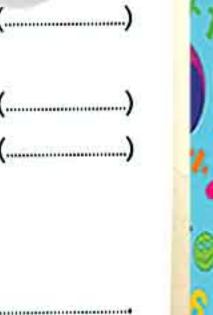
P.O.C	Second class lever	Third class lever
Conservation of effort		

A) Correct the underlined words: 2

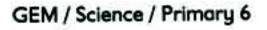
- The electric lamp converts the electric energy to kinetic energy.
- - 2. While connecting the lamps in parallel, the lamps are connected one after another.
 - 3. * Transpiration is losing of water in the shape of water droplets.

B) Give a reason for:

- We shouldn't look directly at the Sun with the naked eye.
- Not placing metal things inside the socket.



my



المحصل الكراسي الكائي





C) The force affecting a second class lever equals 200 Newton and the length of its arm is 50 cm and a resistance with a value of 1000 Newton, calculate the value of the arm of resistance.

Science

المحصل الكواسي الكائي

(.....)

(.....)

(.....)

my

3 A) Put (✓) or (✗):

- The two phenomena of solar and lunar eclipses are repeated regularly and can be predicted.(
- There are three connecting points at each of the fluorescent lamp ends.
- Copper wires connect between the filament and the base of the light bulb.
- Electric shock occurs due to the passage of the electric current through the human body.

B) What happens when ...?

- 1. You make the filament of the light bulb from iron.
- 2. The light bulbs in the house are connected in series.

4 A) Write the scientific terms:

- 1. It occurs to the Moon when it completely enters the shadow area of the Earth.
- 2. One of the dangers of the electricity is causing the damage of the tissues of the body.
- 3. The fixed point of a rigid bar on which the bar rotates.

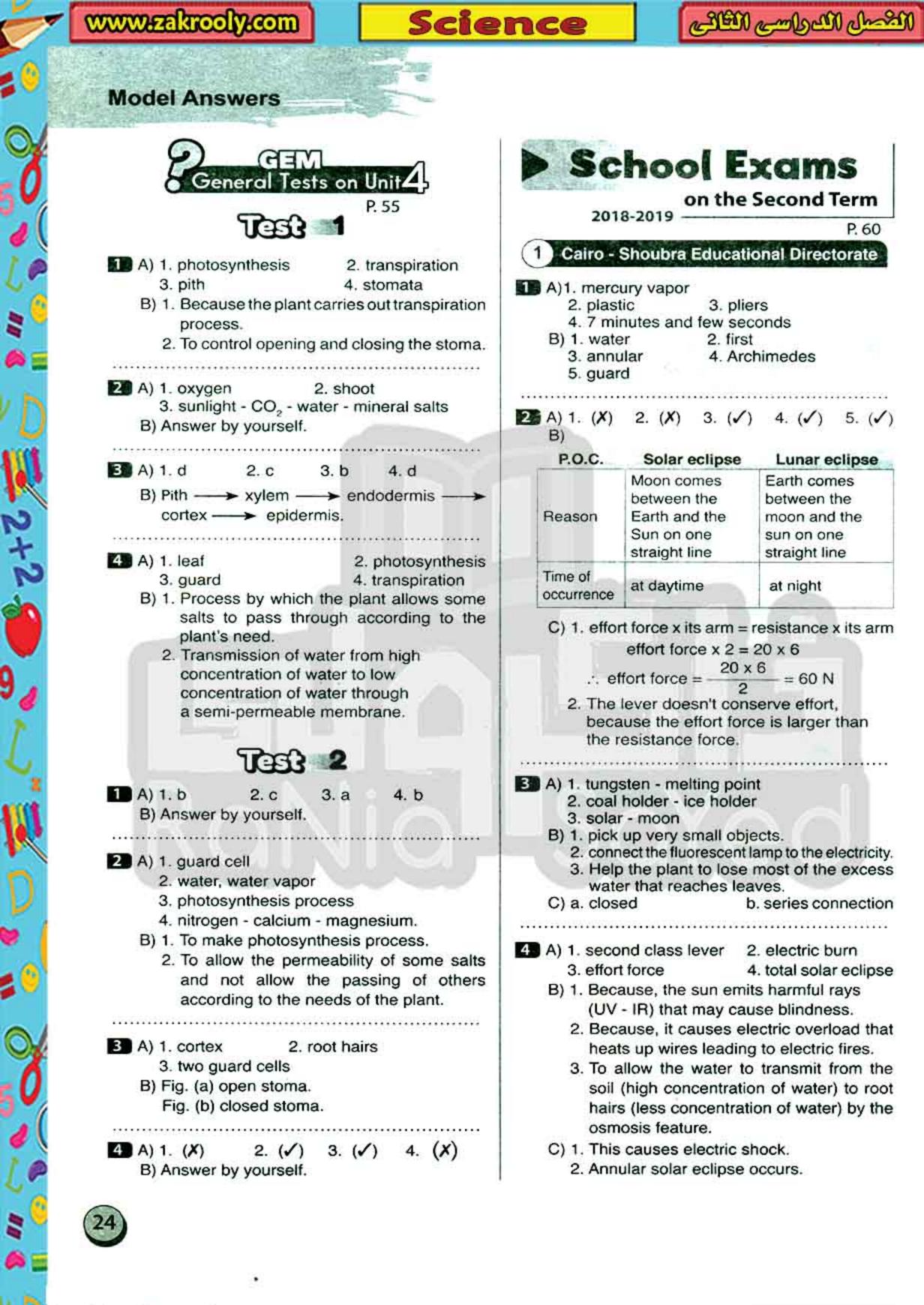


2+

B) Match from (A) to (B):

A	В
1. Tweezers	a. lever that increases the speed.
2. Hockey bat	b. lever that avoids danger.
3. Coal holder	c. lever that increases the distance.
4. Manual broom	d. lever that increases the accuracy in performance.





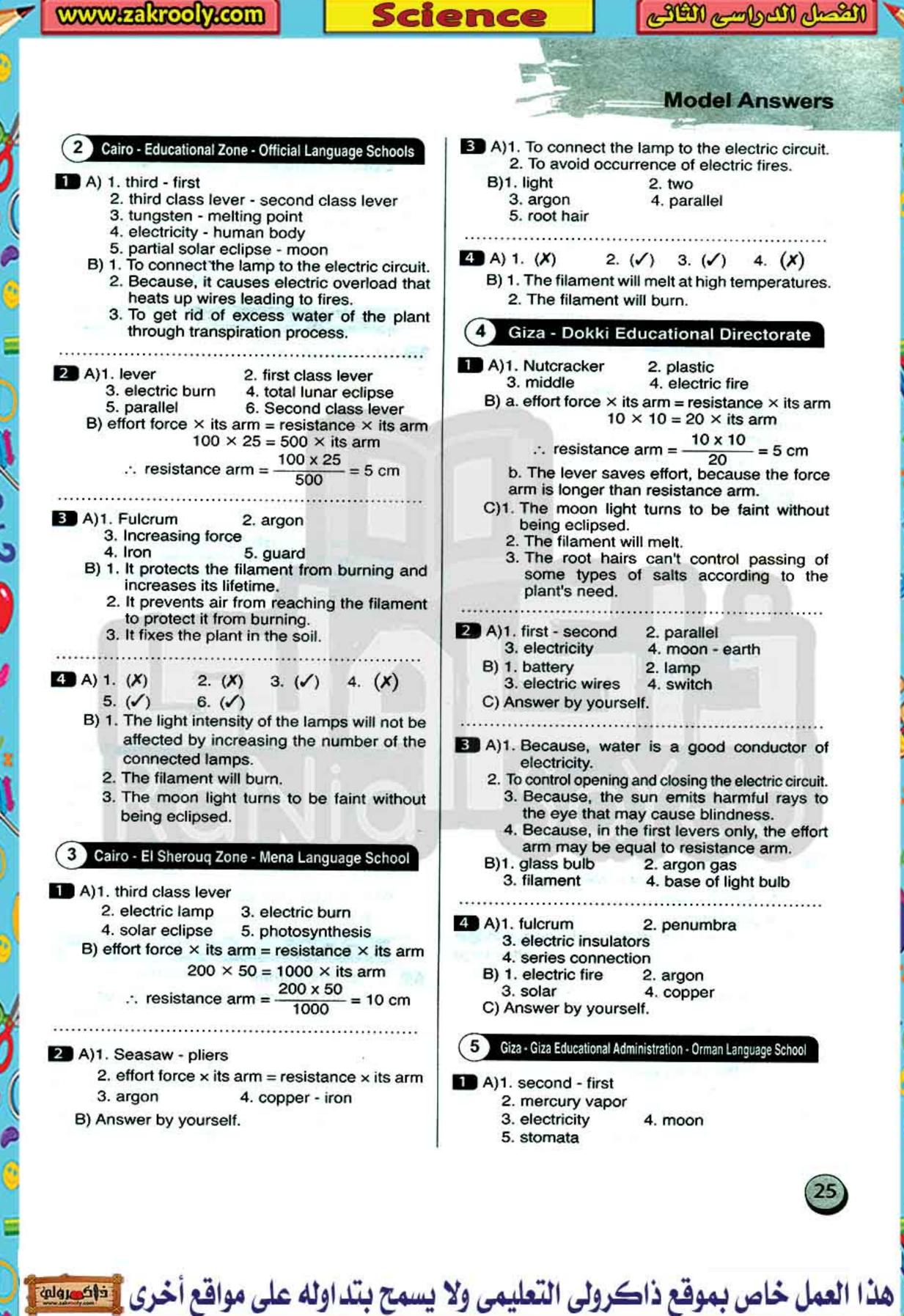
کتـاب Gem

el 200

الصف السادس الايتدائي

هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى

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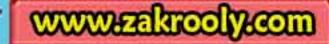


الصف السادس الايتدائي

Contrain concerts of

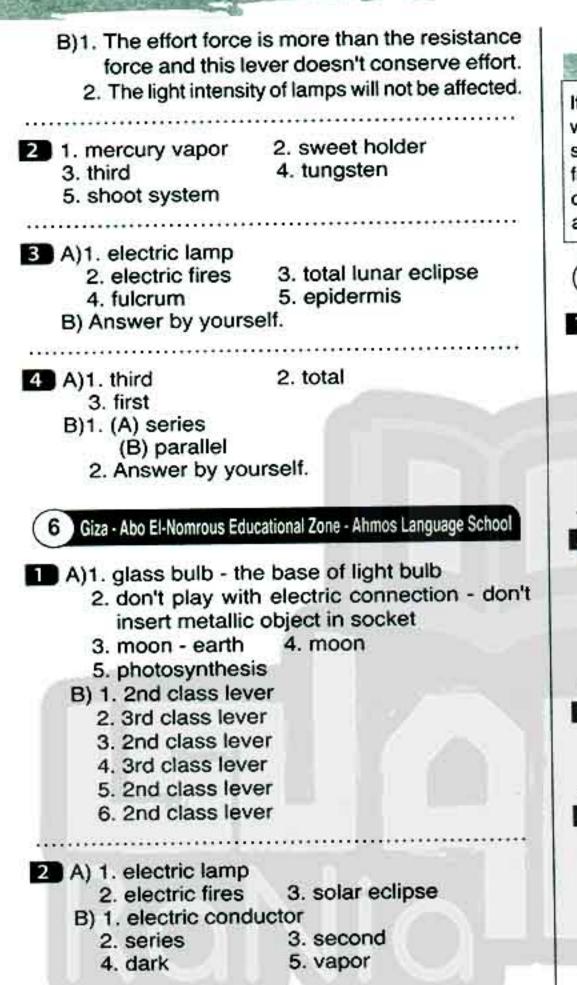
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المحمل الكراسي الثكلي

Model Answers



3 A) 1. total lunar eclipse

 \sim

C)				
Osn	nosis	feature	Selec	tive permeability
semi-per from an a concentr	neable meable area w ation c	s through e membrane	the ce root h types	process by which Il membrane of air allows some of salts to pass ding to the plant's
7 Giza	Boulak B	El-Dakrour Administr	ation - Dar	El-Hanan Language School
1 A)1.	tungs	ten - melting	point	
2	elect	ric burn	3. pa	artial lunar eclipse
2 A) 1	the li	fetime of the	e filame	t from burning so ent increases. class lever
4 B)1	. total . Som	solar eclips	o get r	id of excess wate
B) 1	nswe 1. light 3. umb		2. cop	per on dioxide
4 A)	•••••			
).C.	2 nd class le	evers	3rd class levers
	nition	They are level that have the resistance for between effor force and ful	e orce ort	They are levers that have the effort force between the resistance force and fulcrum.



2+

- 2. a good conductor of electricity
- 3. mercury vapor
- 4. penumbra
- B)1. Because, the effort arm is always longer than the resistance arm, so the effort force is always smaller than resistance force.
 - 2. Because, the sun emits harmful rays to the eye that may cause blindness.
 - 3. To allow the root hair to control the passing of some types of salts according to the plant's need.

3.b

4) A) Answer	by yourself.
B) 1. c	2.a

B) 1. The filament will burn. 2. This causes electric shock. Alexandria - Al-Montazah Directorate - El-Rahman Language School A)1. electric current 2. third class lever 4. series connection 6. electric circuit

Example

Nutcracker

- B)1. To prevent turning off all the lamps of the house when one lamp is damaged.
 - 2. Because, the Earth has a great size relative to the moon.

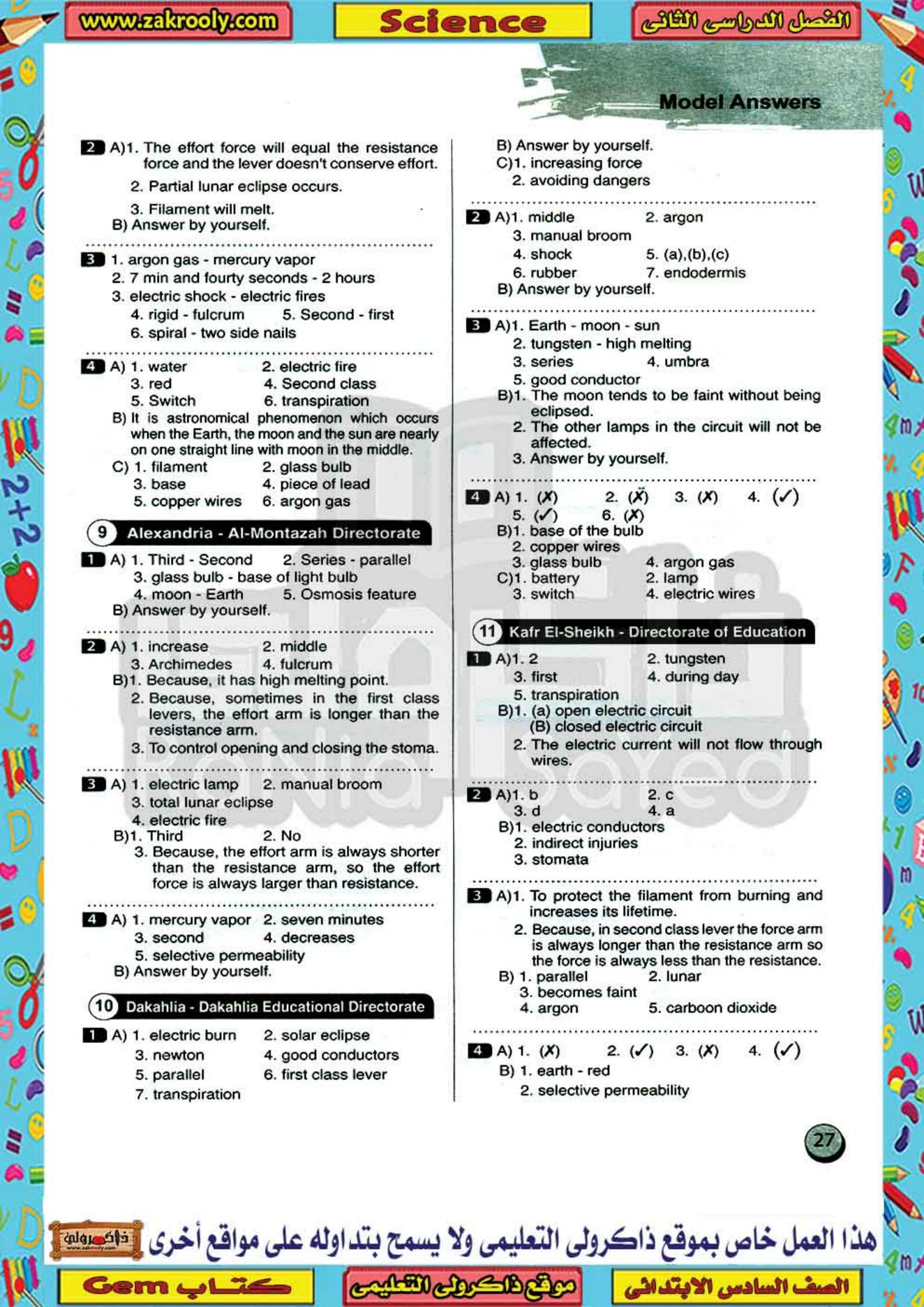
Hockey bat

penumbra

5. force arm

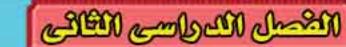
3. Because, it has fulcrum between the effort force and resistance.











Model Answers

Beheira - Science Supervision

- A) 1. second class
 - 2. fulcrum 3. series
 - partial lunar
 - B) 1. Because the sun emits harmful rays as (UV - IR) that cause blindness.
 - 2. Because they are used in:
 - Increasing the speed.
 - Increasing the distance.
 - Avoiding dangers.
 - Preserving accuracy in performance.

2 A) 1. Resistance arm.

- First class levers.
- Electric burns.
- 4. Solar eclipse.
- B) 1. The lever does not save effort. 2. Electric shock will occur.

······ 3 A) 1. argon

2. middle 4. first

.....

- 3. tungsten selective permeability
- B) 1. It prevents air from reaching the filament to protect it from burning.
 - 2. It always saves effort.
- 4 A) 1. year
- 2. light 4.7 minutes
 - 3. copper 5. transpiration
 - B) Answer by yourself.

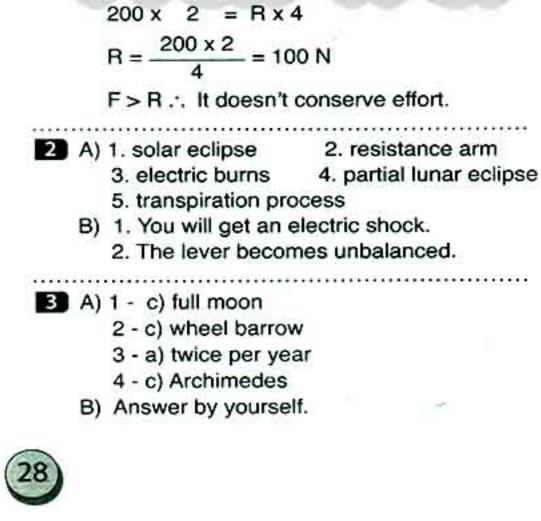
13 Beheira - Kafr El-Dawar Educational Zone - El-Safwa Private School

- A) 1. less 2. electric shock
 - total lunar eclipse
 - 4. epidermis layer
 - B) force x its arm = resistance x its arm

- 4 A) 1. Glass bulb.
 - Function: It prevents air from reaching the filament to protect it from burning.
 - 2. Tungsten filament.
 - Function: It is heated till it glows and emits light when electric current passes through the filament.
 - 3. The base of lamp. Function: • It carries the light bulb in an upright position.
 - It connects the light bulb to the electric circuit.
 - B) 1. Answer by yourself.
 - To avoid electric fires.
 - 3. Because the sun emits harmful rays as (UV - IR) that cause blindness.

Damietta - Directorate of Education - Official Language Schools

- A) 1. Argon mercury vapor.
 - effort force resistance force.
 - 3. partial lunar eclipse, annular solar eclipse.
 - 4. tungsten, melting point
 - B) 1. The fire won't be put out and it might increase.
 - Light intensity will decrease by increasing the number of lamps and all the lamps will be turned off if one lamp is burned.
- A) 1. electric burns
 - 2. electric conductors
 - total solar eclipse
 - series connection
 - B) 1. simple electric circuit
 - 2. switch (key 2. 1. electric wire 4. electric lamp 3. battery
 - 3. closed.
- 3 A) 1 b) the wheel barrow
 - 2 a) longer than

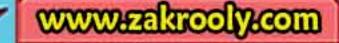


- 3 a) first.
- 4 c) annular
- B) 1. To connect the lamp with electric circuit.
 - Because the effort force is always greater than resistance force.
 - To allow water to transmit from the soil (high concentration of water) to root hairs (less concentration of water) by the osmosis feature.

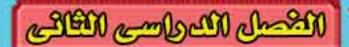
4 A) Answer by yourself.

- 2. partial B) 1. per year
 - sand
- second
- 5. semi permeable
- C) Answer by yourself.

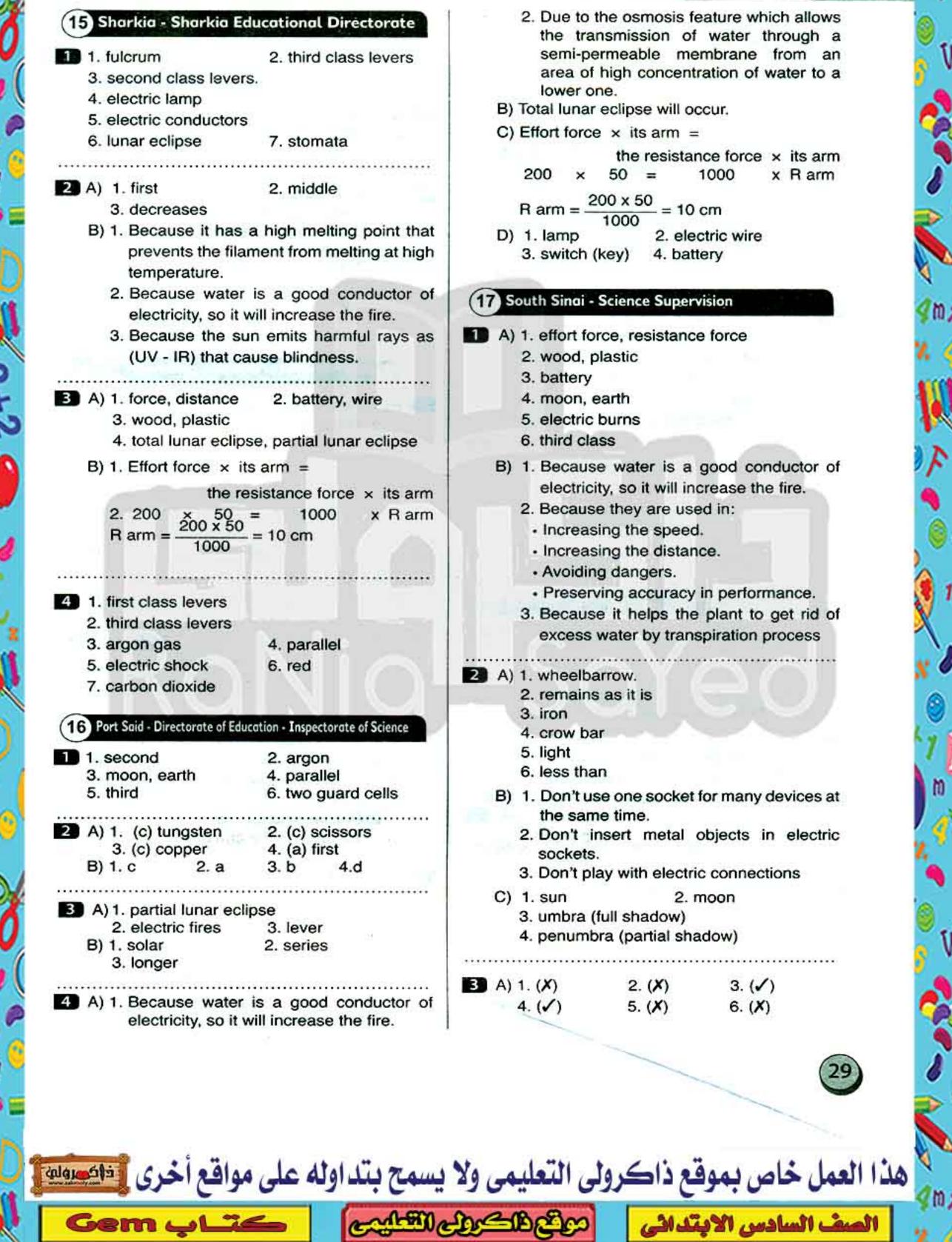








Model Answers



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Science

Model Answers

B)		
Total lunar eclipse	Partial lunar ec	lipse
It is the lunar eclipse which happens when the whole moon falls in the shadow area (umbra) of the earth	It is the lunar eclipse which happens when a part of the moon lies in the shadow (umbra) area of earth and the other part lies in the semi- shadow (penumbra) area of the earth	
We can't see the moon completely.	We can't see a part of the moon.	
C) 1.e 2.c	3. d	4.a

- 4 A) 1. second class levers
 - 2. the tungsten filament
 - series connection
 - 4. fulcrum

2+1

- 5. electric shock
- 6. first class levers
- B) F x Farm = R x R arm
 - $48 \times 4 = R \times 6$

Resistance = $\frac{48 \times 4}{6}$ - = 32 N

- C) 1. The light intensity will decrease by increasing the number of lamps and if one lamp is burned all the lamps will be turned off
 - 2. The moon will be faint without being eclipsed.
 - 3. This will lead to burning of the filament.
 - 4. This will lead to electric fires.

18 Fayoum - Science Supervision

کتـاب Gem

Due to the osmosis feature which allows the transmission of water from an area of high concentration of water to an area of low concentration of water.

المحمل الكراسي الكلي

2. (X) 3. (V) 4. (X) 3 A) 1. (✓)

- B) 1. Second class lever 2. First class lever 3. Third class lever
- 4 A) 1. Iron copper
 - 2. Earth partial
 - phosphoric mercury
 - 4. epidermis
 - B) 1. This is a third class lever that doesn't save effort.
 - 2. This might lead to electric fires.
 - 3. The tungsten filament will burn.

19 Assuit - Directorate of Education

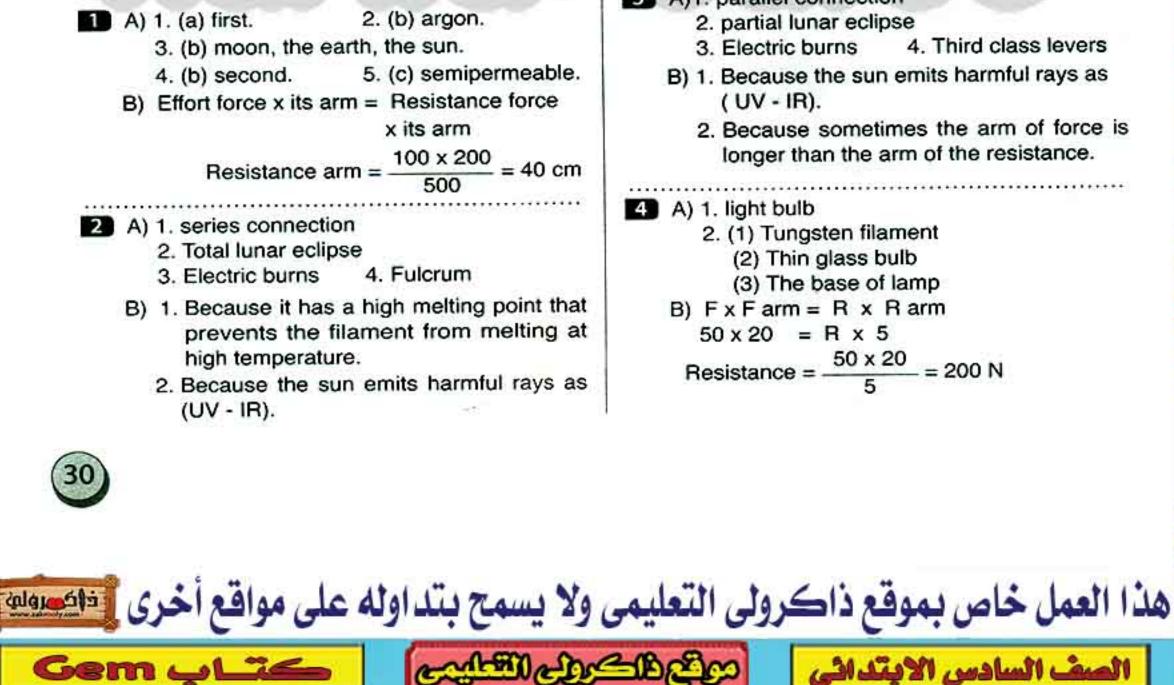
- A) 1. First class lever
 - 2. Moon, earth
 - Conductors, insulators
 - 4. Third
 - B) Pith Xylem Endodermis Cortex -Epidermis

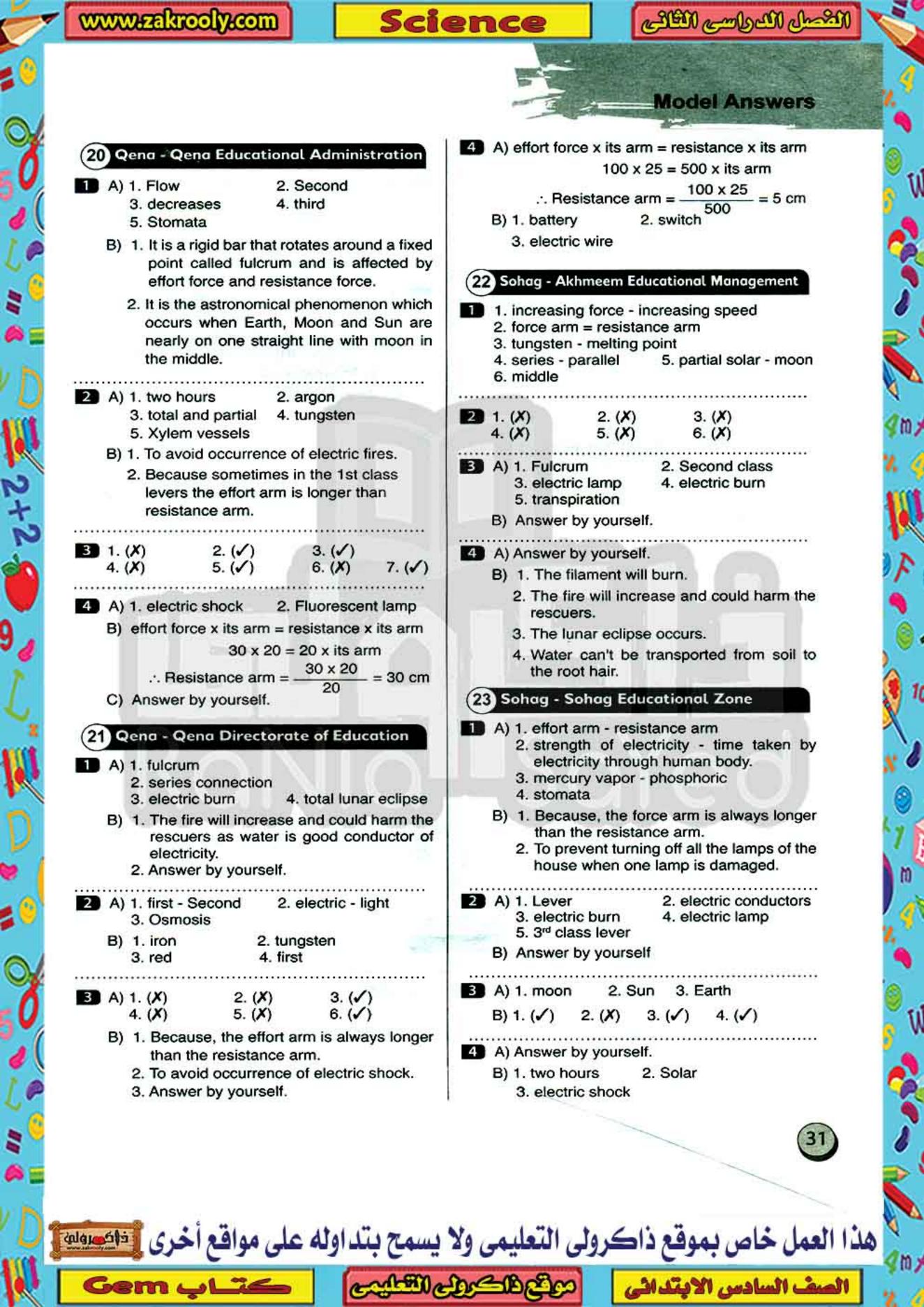
2. (X) 3. (X) 4. (X) 2 A) 1. (✓)

- 5. (1)
- B) 1. The fire won't be put out and it might increase.
 - 2. Light intensity decreases as the number of lamps increase and all the lamps will turned off if one lamp is burned
- 3 A)1. parallel connection

1

ED.







المحصل الكراسي الكالي

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Model Answers

2+1

